Mrs Angie Motshekga,
Minister of Basic
Education

Mr Enver Surty,
Deputy Minister
of Basic Education

These workbooks have been developed for the children of South Africa under the leadership of the Minister of Basic Education, Mrs Angie Motshekga, and the Deputy Minister of Basic Education, Mr Enver Surty.

The Rainbow Workbooks form part of the Department of Basic Education's range of interventions aimed at improving the performance of South African learners. As one of the priorities of the Government's Plan of Action, this project has been made possible by the generous funding of the National Treasury. This has enabled the Department to make these workbooks available at no cost.

We hope that teachers will find these workbooks useful in their everyday teaching and in ensuring that their learners cover the curriculum. We have taken care to guide the teacher through each of the activities by the inclusion of icons that indicate what it is that the learner should do.

We sincerely hope that children will enjoy working through the book as they grow and learn, and that you, the teacher, will share their pleasure.

We wish you and your learners every success in using these workbooks.

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Rainbow WORKBOOKS

MATHEMATICS IN ENGLISH
GRADE 2 – BOOK 2
TERMS 3 & 4
ISBN 978-1-4315-0136-6
THIS BOOK MAY NOT BE SOLD.

1 2 3 4

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MATHEMATICS IN ENGLISH – Grade 2 Book 2

ISBN 978-1-4315-0136-6

Revised and CAPS aligned

Grade 2

MATHEMATICS IN ENGLISH

Book 2

Terms 3 & 4

Name: Class:

basic education
Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

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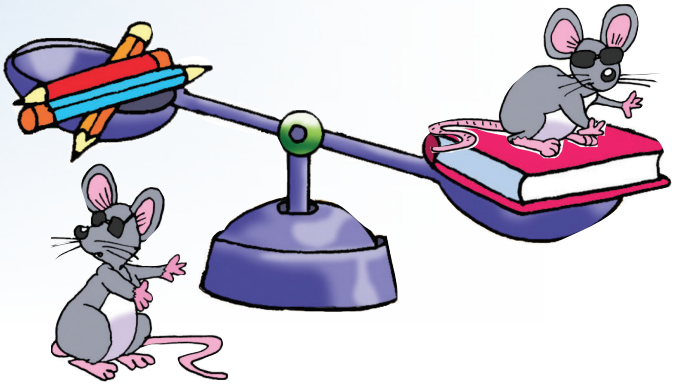
Grade 2

Rainbow WORKBOOKS

Mathematics

This book belongs to:

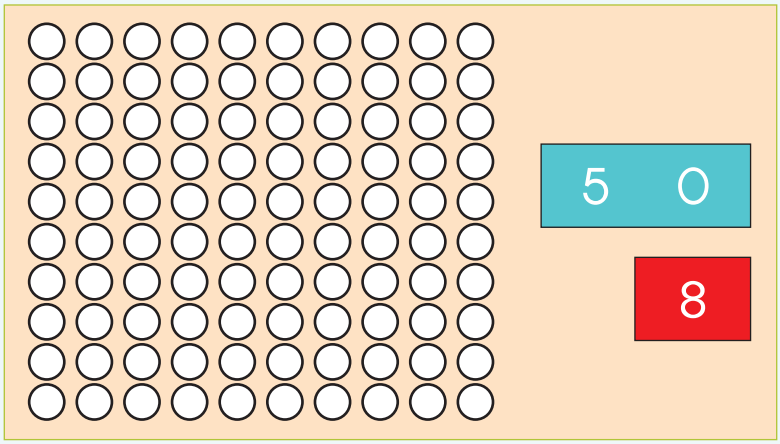


ENGLISH Book 2

Date:

Numbers 50 to 99

Colour in 58 circles.

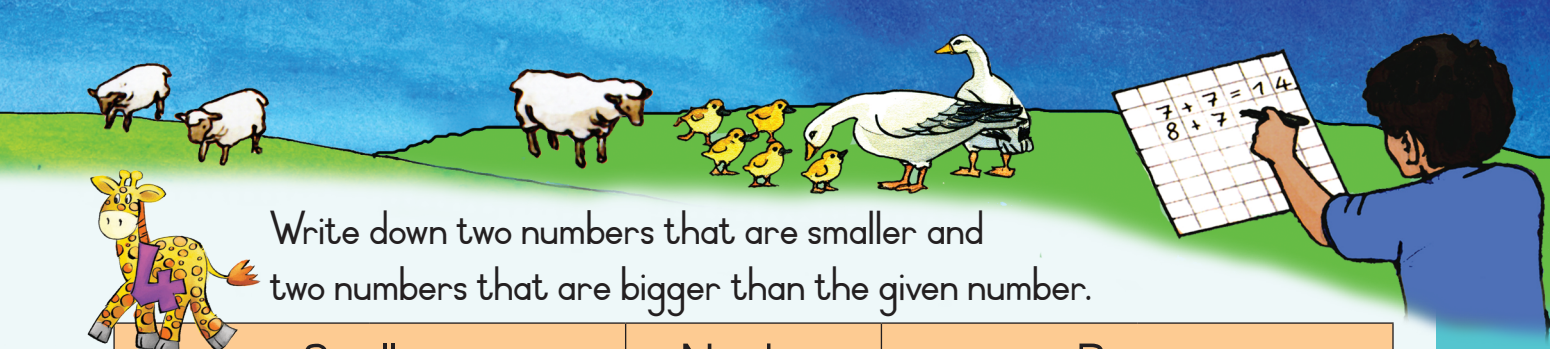


Write an answer. The first example will guide you.

60 + 8 = 68 	8 0 6 =	5 0 3 =
7 0 1 =	9 0 5 =	6 0 9 =

Write your answers for the above in words:

sixty-eight



Write down two numbers that are smaller and two numbers that are bigger than the given number.

Smaller		Number	Bigger	
		55		
		63		
		88		
		95		
		71		

Complete these number lines.

80 81 82 ☐ ☐ ☐ 86 87 ☐ 89 90

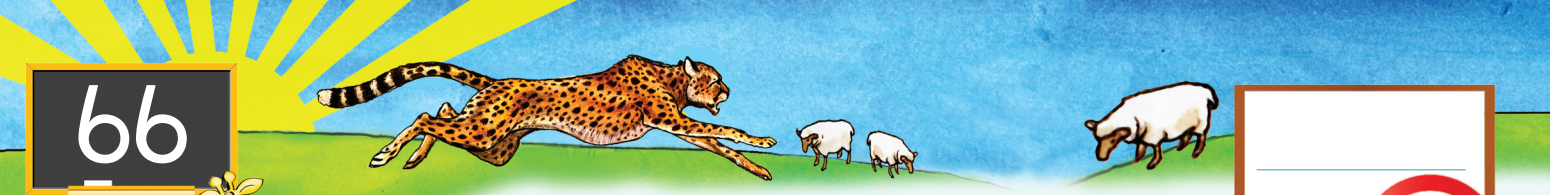
60 59 58 ☐ ☐ ☐ ☐ ☐ ☐ ☐ 50

67 68 69 ☐ ☐ ☐ 73 74 ☐ ☐ 77

Cut three numbers between 50 and 99 from a magazine or newspaper. Paste them here.

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

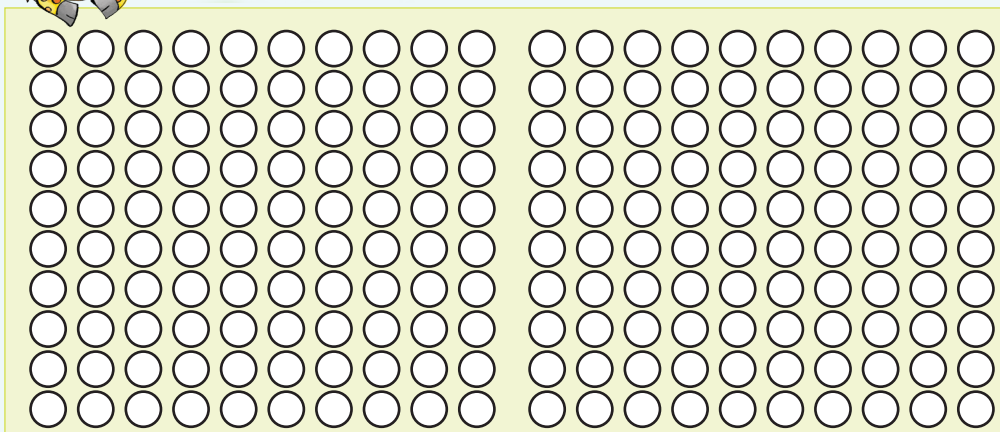


Numbers 100 to 150

Date:

Term 3

Colour in 139 circles.



100
30
9

Write a number sentence for:

100 20 8 100 + 20 + 8 = 128	100 40 9 =	100 40 2 =
100 50 =	100 20 7 =	100 30 5 =

What number comes between? Write your answer in words.

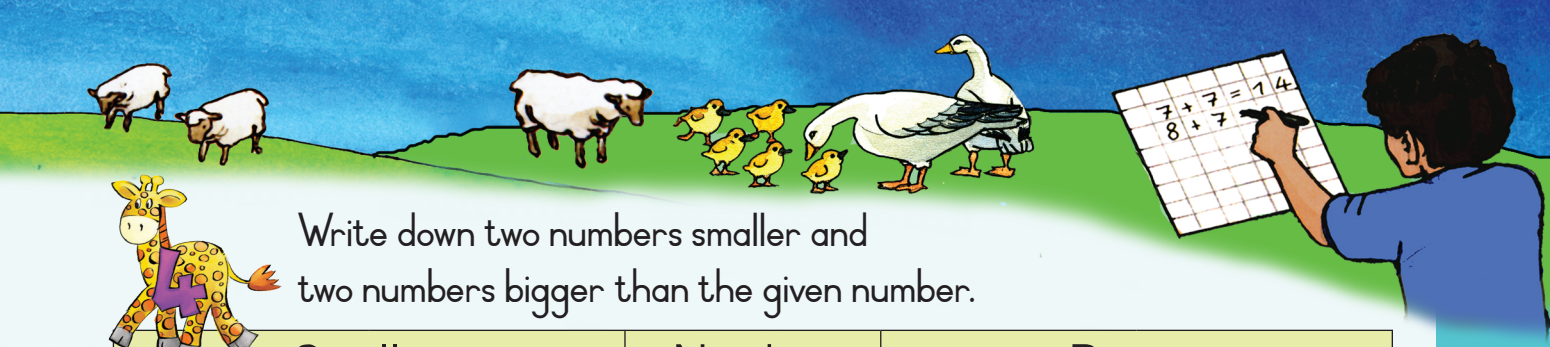
103 and 105? _____

139 and 141? _____

120 and 122? _____

150 and 148? _____

146 and 148? _____



Write down two numbers smaller and two numbers bigger than the given number.

Smaller		Number	Bigger	
		123		
		145		
		108		
		141		
		134		

Complete these number lines.

120 121 ☐ 123 ☐ ☐ 126 ☐ ☐ ☐ 130

124 125 126 ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

140 141 ☐ ☐ ☐ ☐ 146 ☐ ☐ 149 150

Cut three numbers between 100 and 150 from a magazine or newspaper. If you cannot find any, cut digits to make up the three numbers. Paste them here in order from smallest to biggest.

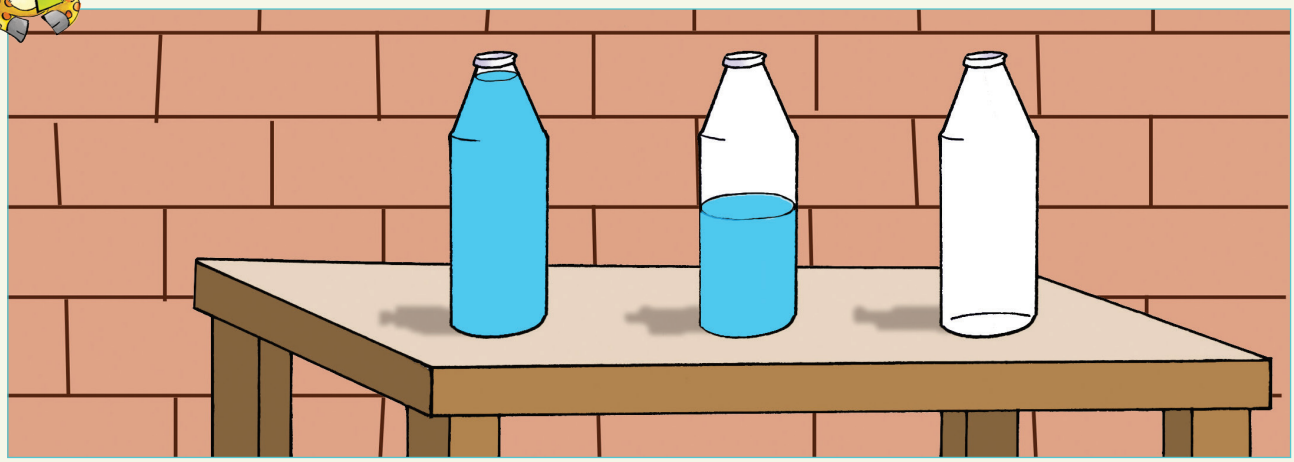
Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

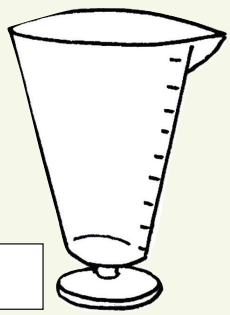
Date:

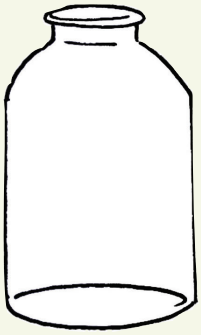
Full, half full, empty

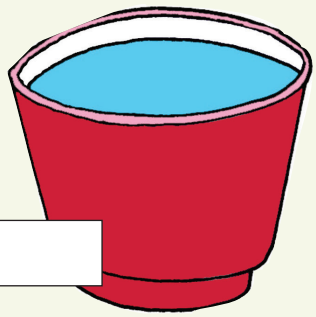
1 Talk about the bottles on the teacher's table.

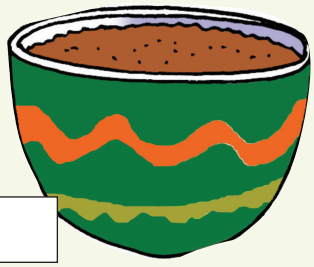


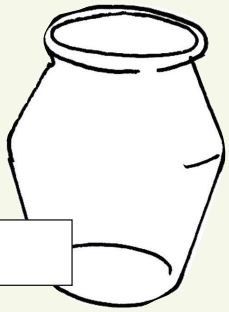
2 Say if the container is full, half full or empty.



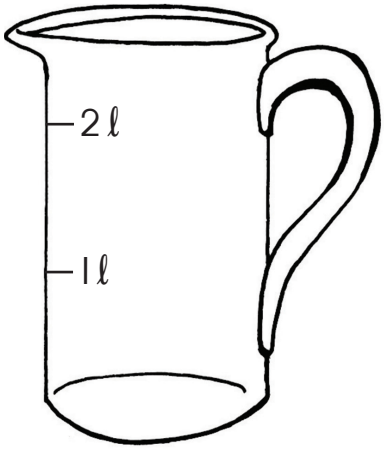
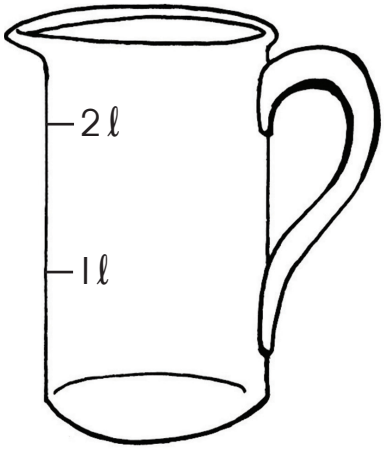
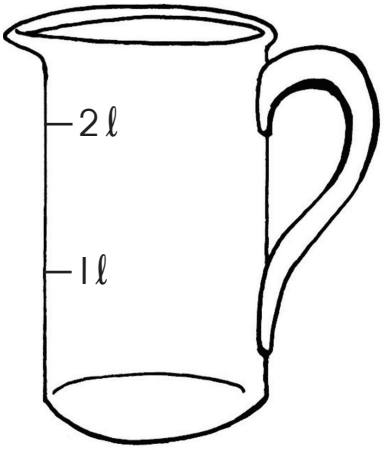








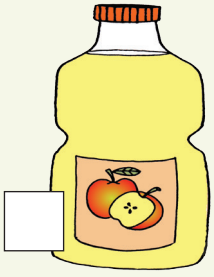
Colour in to show how much liquid is in the containers.

Full	Half full	Empty
		

Draw three of your own containers. Each container can hold 4 litres. Then colour them to show that the container is:

Full	Half full	Empty

Which container holds the most?



Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

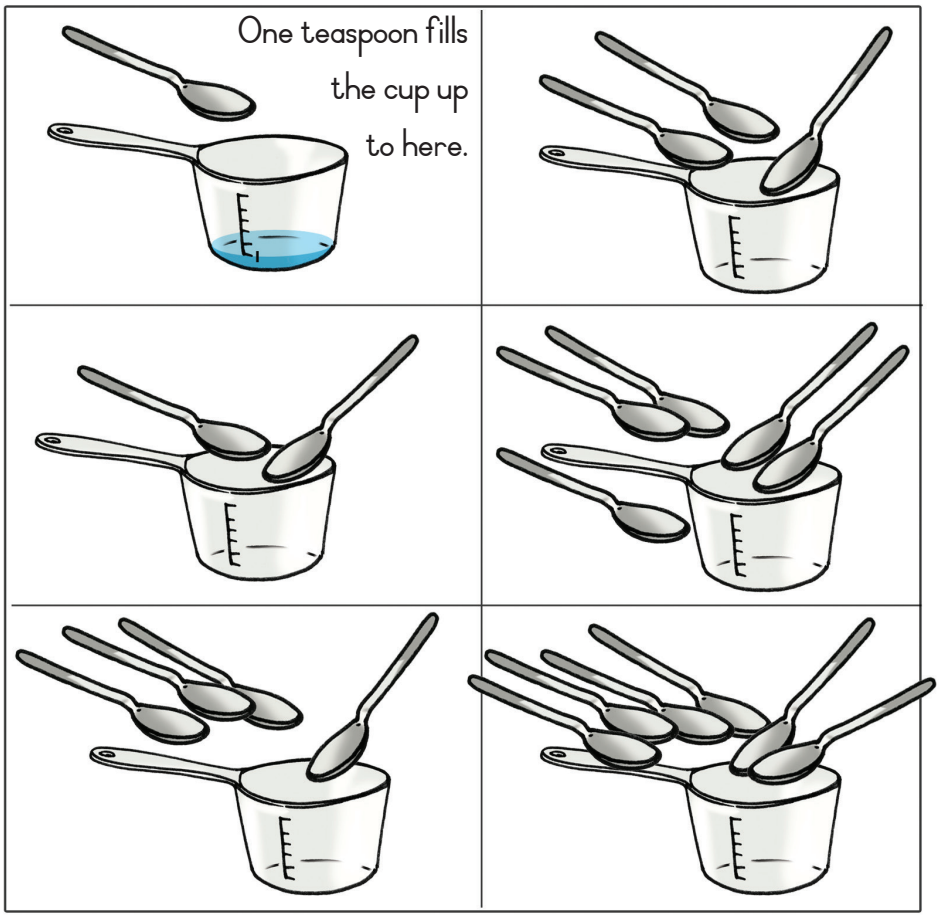
Date:

More capacity

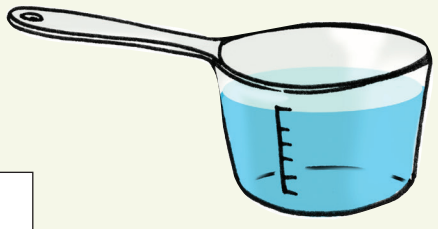
1 Look at the pictures. What are the children doing?

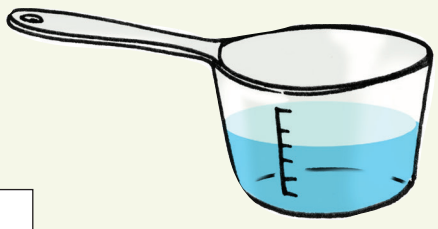


2 Up to where will the spoons fill the measuring cup? Colour in.



How many spoons more do you need to fill the measuring cup?





Gogo uses 2 cups of milk to make a pudding.
If she doubles the recipe, how much milk will she need?

Teacher:
Sign:
Date:

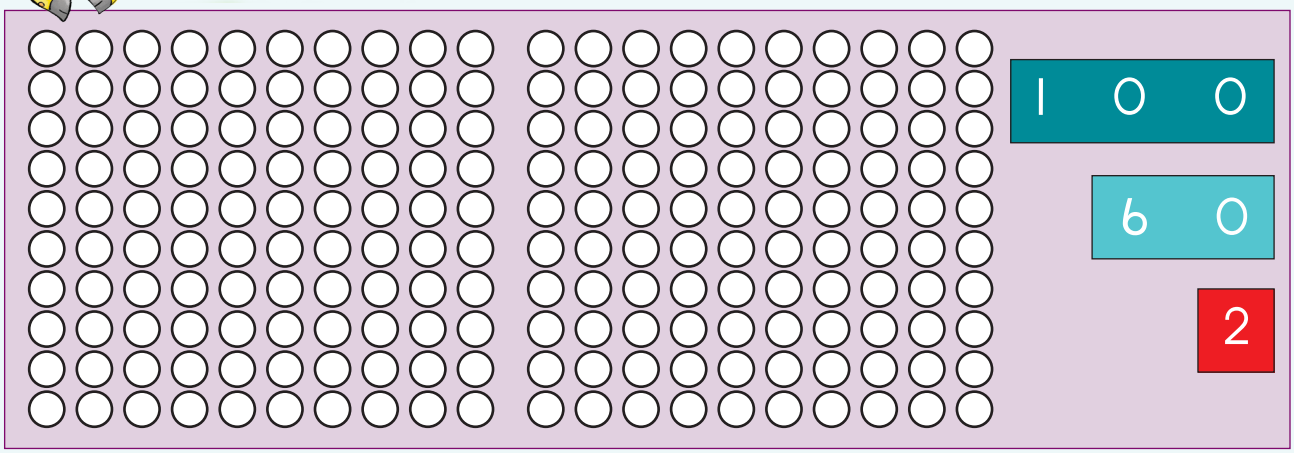
11 12 13 14 15 16 17 18 19 20

69

Date:

Numbers 150 to 170

Colour in 162 circles.



Write a number for:

100 + 50 + 2 = 152	=	=
=	=	=

Which numbers come between:

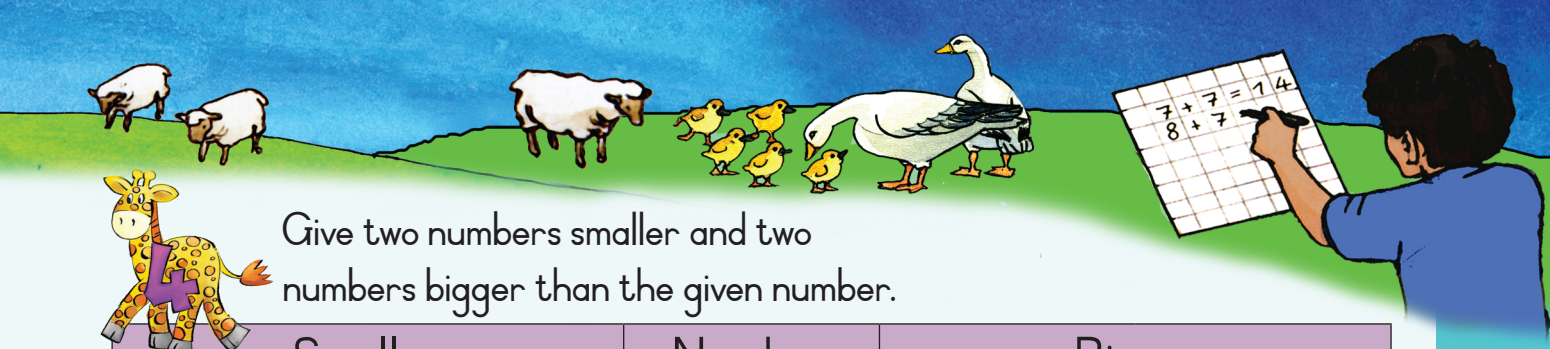
150 and 155 _____

158 and 162 _____

170 and 165 _____

163 and 167 _____

172 and 166 _____



4 Give two numbers smaller and two numbers bigger than the given number.

Smaller		Number	Bigger	
		155		
		168		
		151		
		162		
		160		

5 Complete the number lines.

150 151 152 ☐ ☐ ☐ ☐ 157 158 ☐ ☐

154 155 156 ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

160 ☐ 162 ☐ 164 165 ☐ ☐ ☐ ☐ 170

6 Cut three numbers between 150 and 170 from a magazine or newspaper. Paste them here from biggest to smallest.

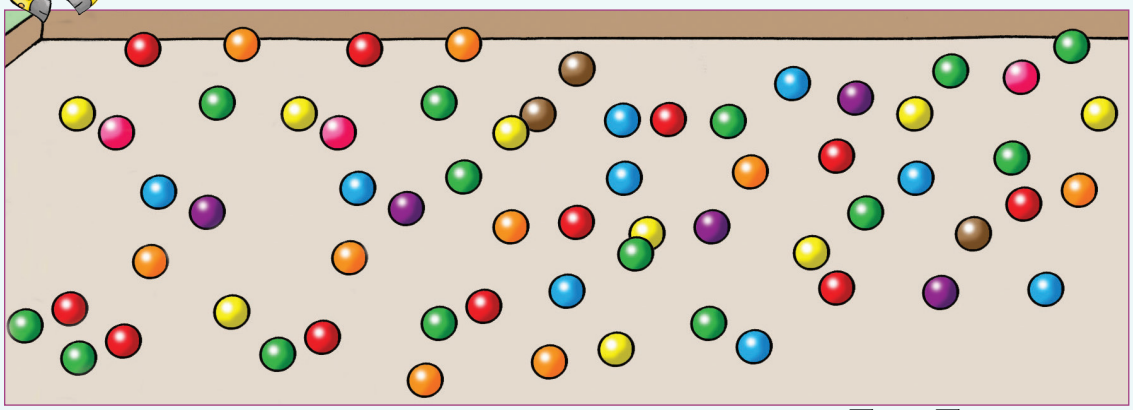
Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

Counting and estimating (0–100)

Date:

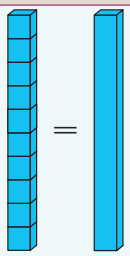
1 Estimate and then count the beads.

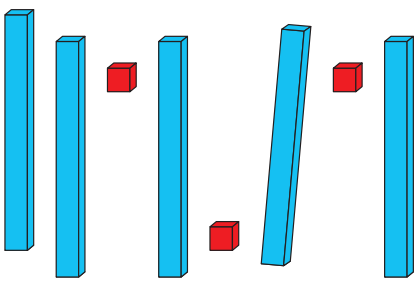


estimate

count

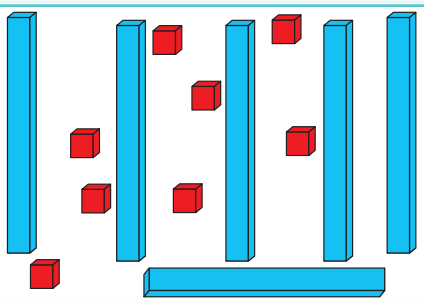
2 There are 10 blocks in the container.
Estimate and then count.





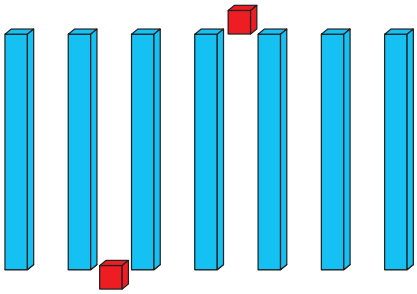
estimate

count



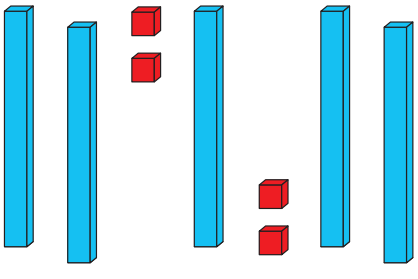
estimate

count



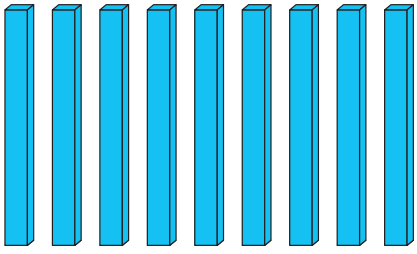
estimate

count



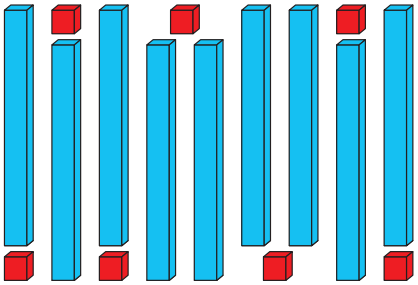
estimate

count



estimate

count

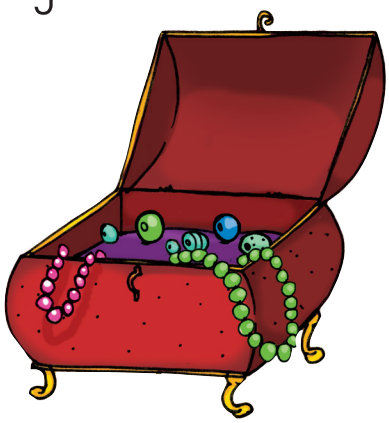


estimate

count

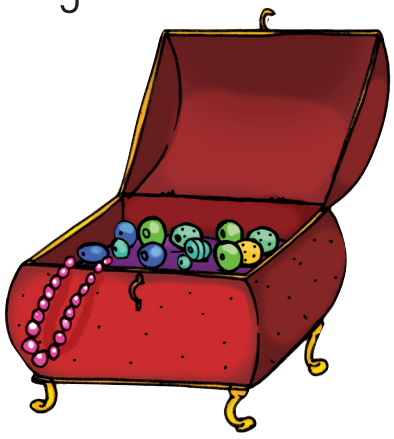
There are 42 sweets in the box.
How many are hidden?

There are 50 beads in the box.
How many are hidden?



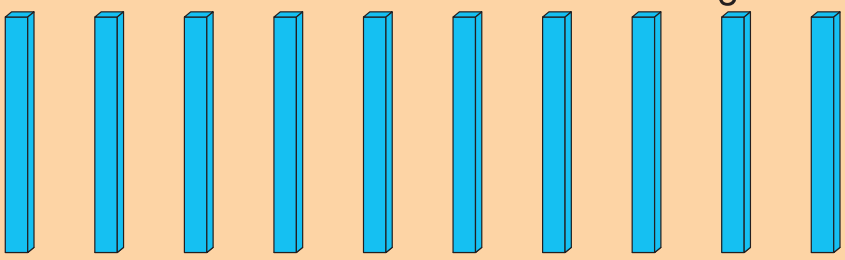
There are 78 sweets in the box.
How many are hidden?

There are 100 beads in the box.
How many are hidden?



How fast can you do this?

Each container holds 10 blocks. How many blocks are here?



Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

Date:

More data

Sort the flowers. Make your own drawing. Write the total in the box.

Draw a pictograph of your sorted flowers.
What will your heading be?

KEY:

Answer the following questions:

How many purple flowers are there?

How many red flowers are there?

How many green flowers are there?

How many pink flowers are there?

How many yellow flowers are there?

What is the most popular colour flower?

What is the least popular colour flower?

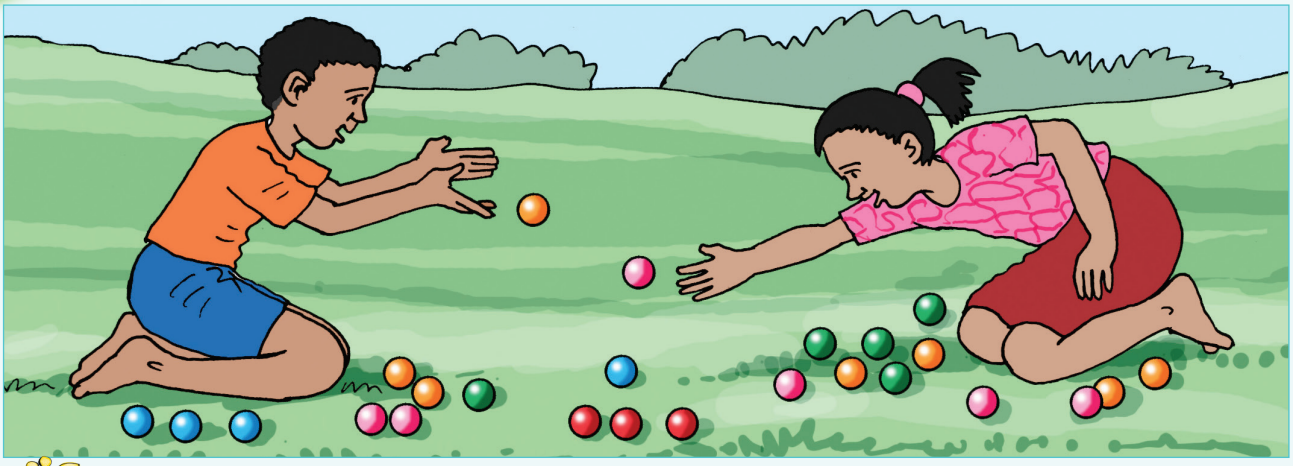
What is your favourite colour flower?

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

Date:

Addition: 0 to 50

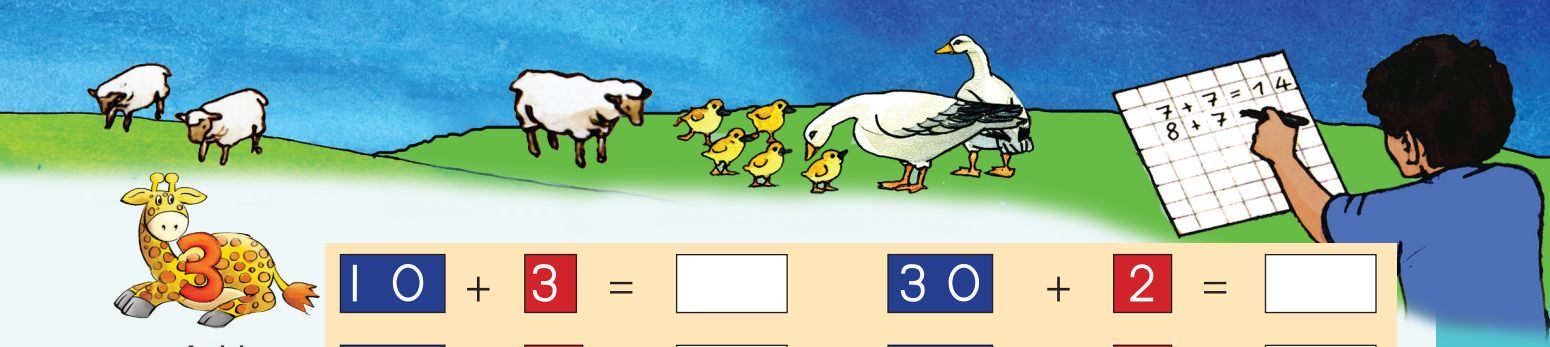


Look at the picture and add the marbles.

red	+	blue		+		=		
green	+	blue		+		=		
pink	+	blue		+		=		
green	+	orange		+		=		
red	+	green		+		=		

Match the cards with the correct sums. Draw a line from the sum to the correct cards.

2	5	3	7
10	20	30	40
7 + 40 = 47	10 + 2 = 12	20 + 5 = 25	3 + 30 = 33



Add.

10	+	3	=		30	+	2	=	
20	+	5	=		30	+	7	=	
40	+	1	=		20	+	6	=	
10	+	4	=		40	+	8	=	
30	+	9	=						

Add.

16 + 13

6		3		9				
10	+	10	=	20				
16	+	13	=	29				

24 + 12

4		2						
20	+	10	=					
	+		=					

37 + 11

7		1						
30	+	10	=					
	+		=					

25 + 23

5		3						
20	+	20	=					
	+		=					

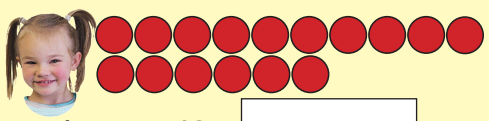
36 + 12

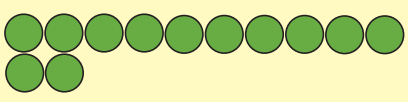
6		2						
30	+	10	=					
	+		=					

28 + 21

8		1						
20	+	20	=					
	+		=					

Lisa has 16 counters and Aakar has 12.

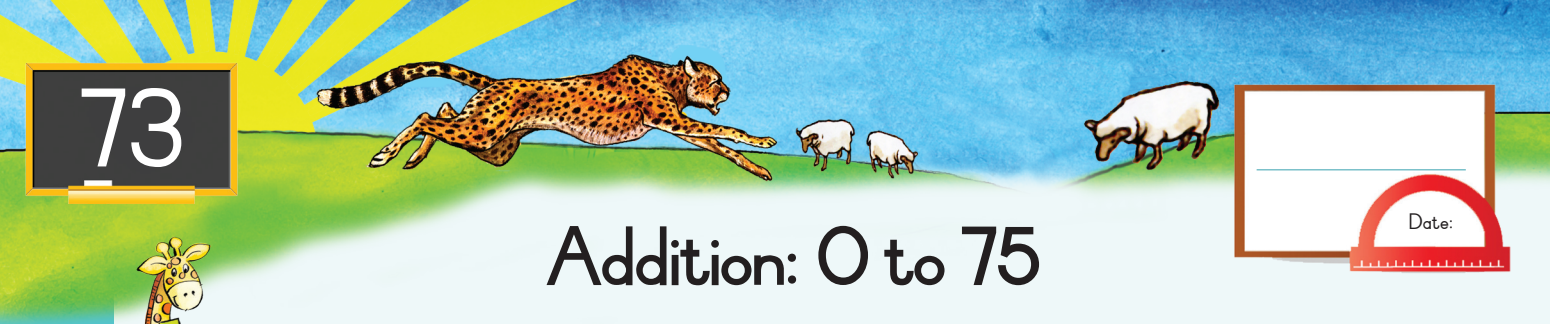




What is the total?

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20



Date:

Addition: 0 to 75

What is the total of each block?

1 10 5 10	6 20 2 10	3 20 5 30	4 40 4 30

Add.

12 + 11

__ __ + __ __

= __ + __ + __ + __

= __ + __

= __

23 + 41

__ __ + __ __

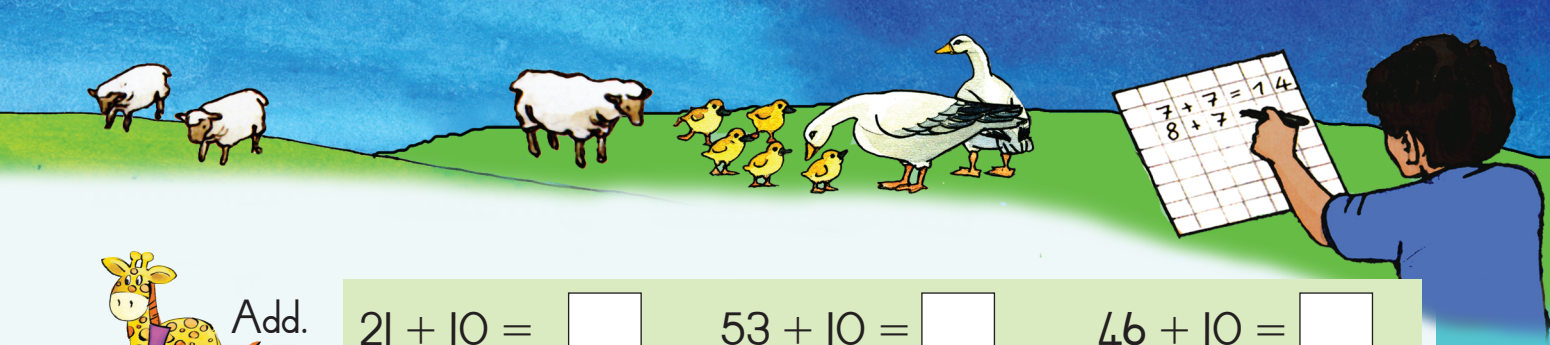
= __ + __ + __ + __

= __ + __

= __

Complete.

28	+	11	=	2 8	+	1 0	+	1	=	38	+	1	=	39
34	+	12	=	3 4	+	1 0	+	2	=		+		=	
43	+	23	=	4 3	+	2 0	+	3	=		+		=	
45	+	23	=	4 5	+	2 0	+	3	=		+		=	
56	+	11	=	5 6	+	1 0	+	1	=		+		=	



4 Add.

21 + 10 = ☐	53 + 10 = ☐	46 + 10 = ☐
68 + 10 = ☐	37 + 10 = ☐	42 + 10 = ☐
74 + 10 = ☐	19 + 10 = ☐	55 + 10 = ☐

5 The sum of 47 and 6 is? ☐
Draw a picture to show your answer.

6 Make your own word sum using the pictures.

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

74

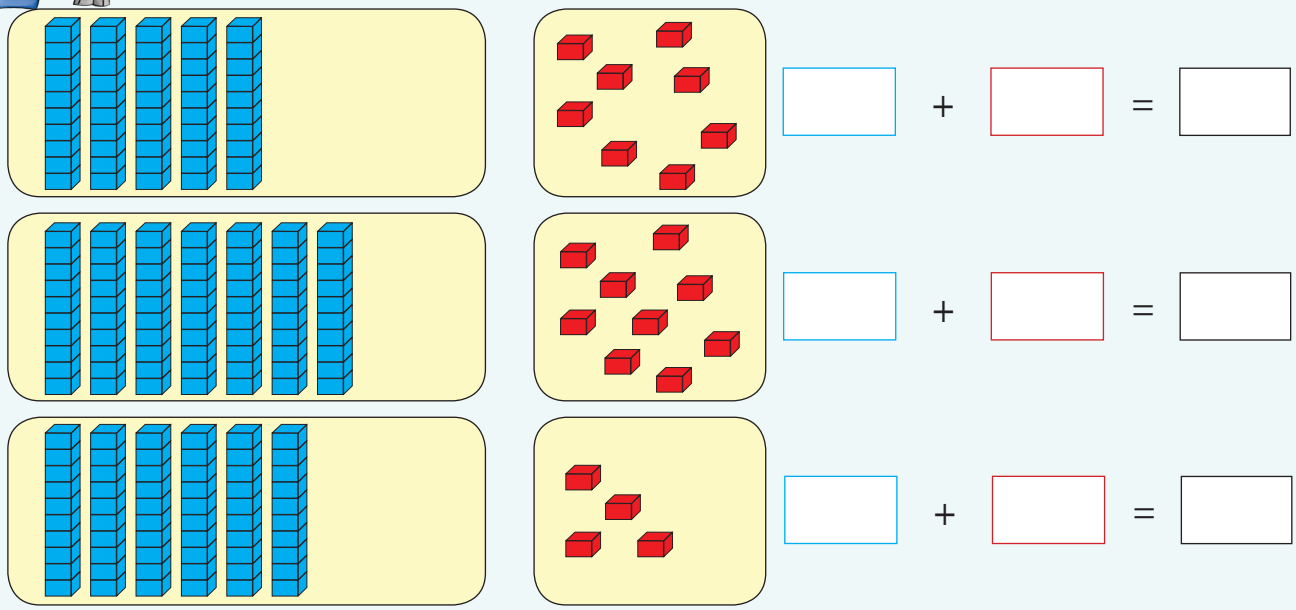
Date:

More addition 0 to 75

Match the cards. Draw a line from the sum to the correct cards.

9	5	4	7
6 0	5 0	7 0	4 0
7 + 40 = 47	60 + 9 = 69	50 + 5 = 55	4 + 70 =74

Write a sum for the following and then fill in the answers.



Add.

6 0 + 4 =	3 0 + 2 =
4 0 + 9 =	5 0 + 4 =
2 0 + 8 =	1 0 + 7 =
7 0 + 5 =	7 0 + 8 =
5 0 + 6 =	

1 2 3 4 5 6 7 8 9 10

4 Add and subtract.

56 + 15

56	+	15	=	71

34 + 17

	+		=	

48 + 13

	+		=	

63 – 41

	–		=	

75 – 51

	–		=	

72 – 49

	–		=	

5 Make a drawing to show that Mbali has 52 blocks and Zander has 36.

What is the total? _____

Teacher:
Sign:
Date:

Date:

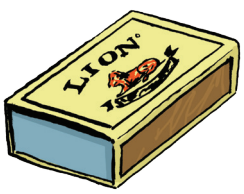
Balls, boxes and cylinders

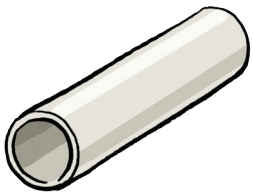
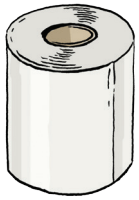
Can you still remember what shapes these are?

These words might help you:

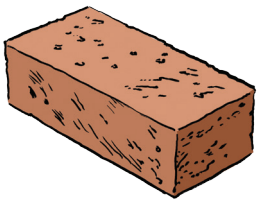
- boxes
- balls
- cylinders

Identify the balls, boxes and cylinders by writing the word below each.

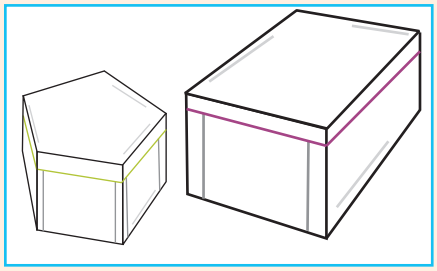



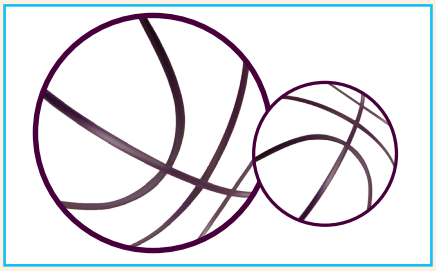


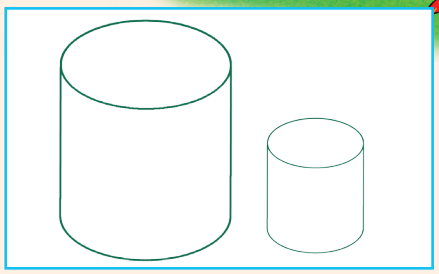



1 2 3 4 5 6 7 8 9 10

2 Colour the smaller objects blue.

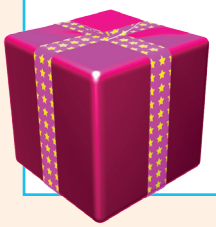


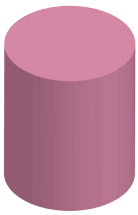




boxes	balls	cylinders

3 Draw a bigger object.





4

You want to put your mother's birthday present in this container. You need to explain to the shop assistant what you are looking for. How would you explain it.

Teacher:
Sign:
Date:

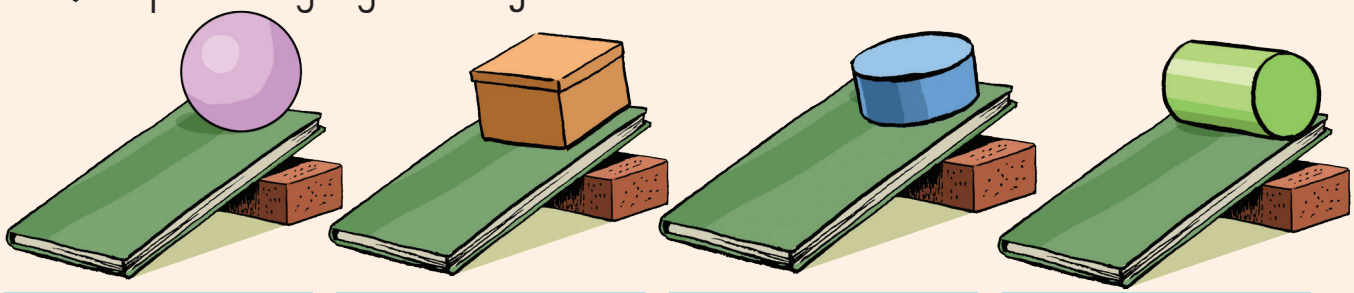
Date:

Slide, roll and build with 3-D objects

Your teacher will do this activity practically with you to see if the following will balance:

- A box on top of a box.
- A ball on top of a box.
- A ball on top of a ball.
- Two boxes on top of one box.

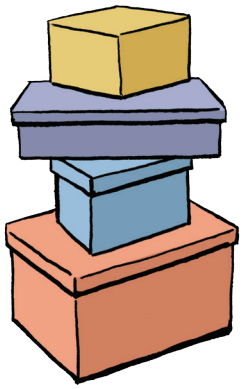
Boxes, balls and cylinders can roll or slide. Your teacher will give you the following objects to see if it will roll or slide. After doing the activity practically say if the objects will roll or slide.

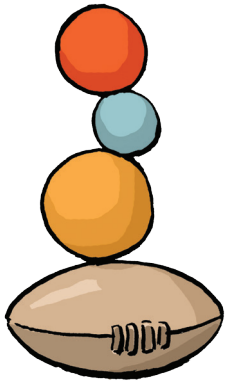


Find pictures of objects in magazines that will roll or slide and paste it here.

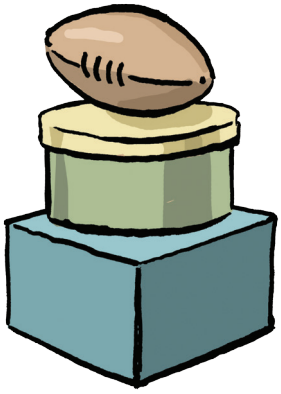
roll	slide

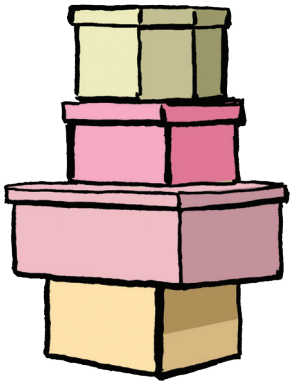
Your teacher gave you some blocks to build various towers. You and your friend decided to build towers with boxes, balls and cylinders. This is what you build or tried to build. Say if it worked or not.

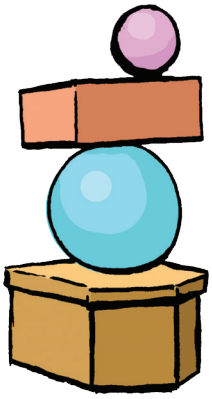




This will work







Here are some match box towers.

You need:
Match boxes.

What to do:
Now try to build a match box tower as high as you can without using glue.

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

77

More addition and subtraction 0 to 75

Date:

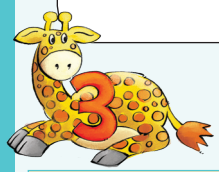
Add the numbers in each block and write down the answer.

50	50	40
2	7	4
20	10	10
3	2	3
30		
8		
20		
1		

Add using your own method.

52 + 21

43 + 28



Complete.

28	+	31	=	28	+	30	+	1	=	58	+	1	=	59
45	+	32	=	45	+	30	+	2	=		+		=	
52	+	14	+	52	+	10	+	4	=		+		=	

Add. 41 + 10 = ☐ 44 + 10 = ☐ 71 + 10 = ☐

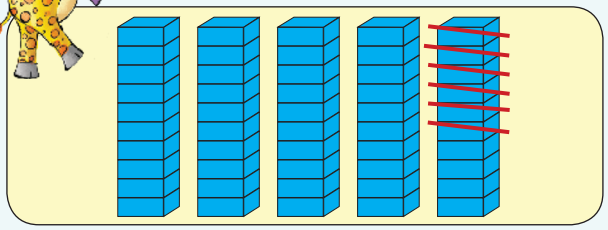
The sum of 36 and 24 is _____.

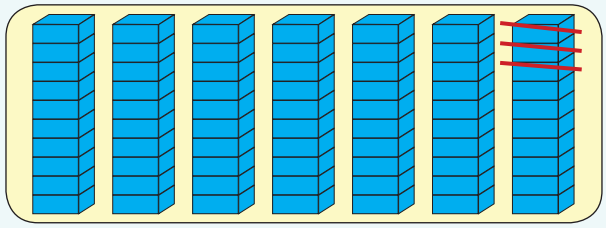
Draw a picture to show your answer.

6 Subtract the numbers in the bottom box from the numbers in the top box.

70	60	50	30
5	2	7	9
40	20	10	10
3	1	6	5

7 Write a subtraction sum for the following.





__ – __ = __ __ – __ = __

8 Subtract:

65 – 23

72 – 29

9 Minus.

61 – 10 = ☐ 42 – 10 = ☐ 37 – 10 = ☐

10 Make a drawing to show that Palesa had 62 marbles and then lost 21.

How many marbles are left? _____

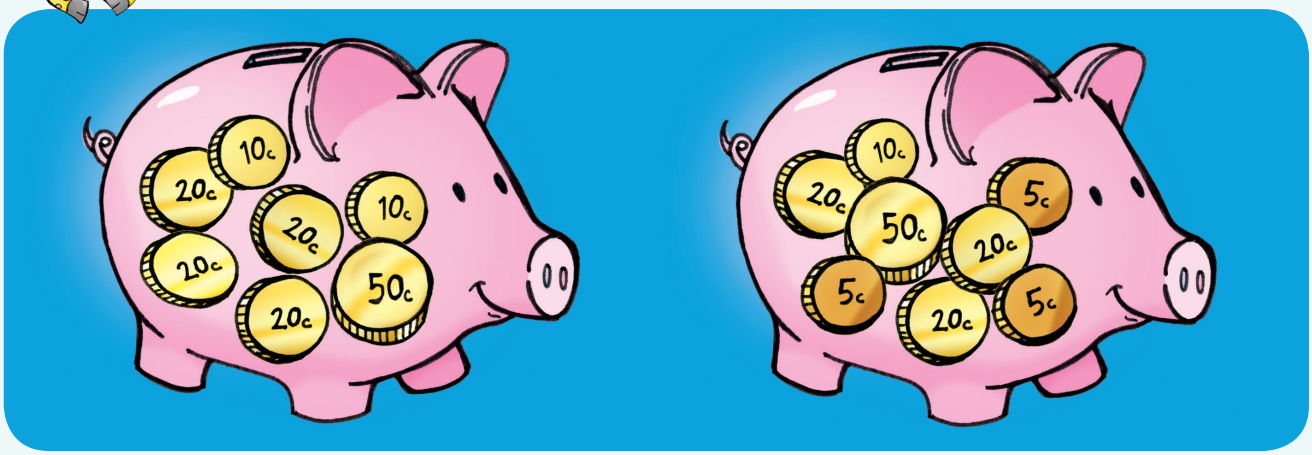
Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

Date:

More money

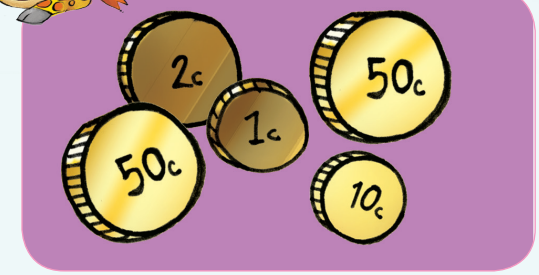
What is in my piggy bank?

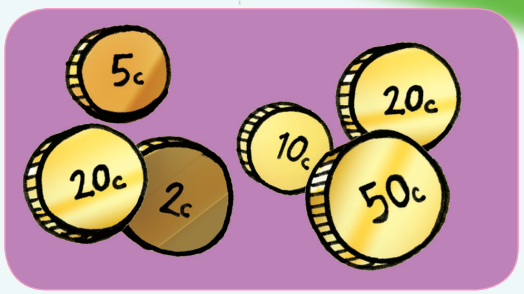


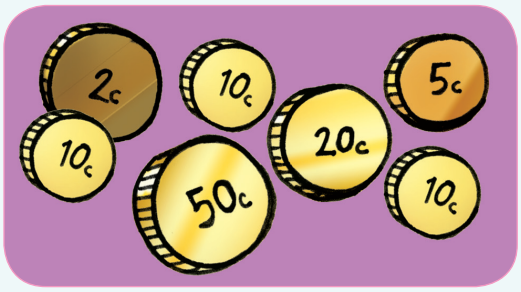
Use the coins from Cut-out 3 and paste the right amounts here.

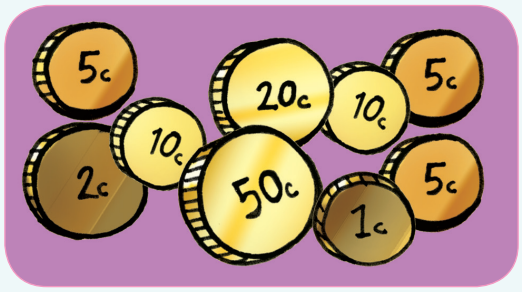
100c	110c
120c	140c
155c	175c

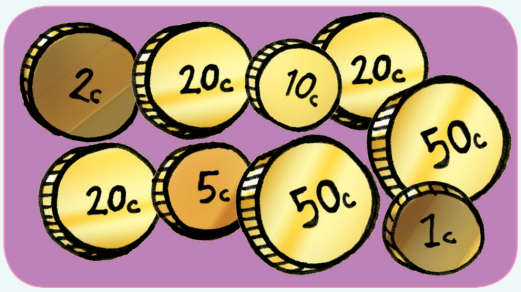
How many cents?

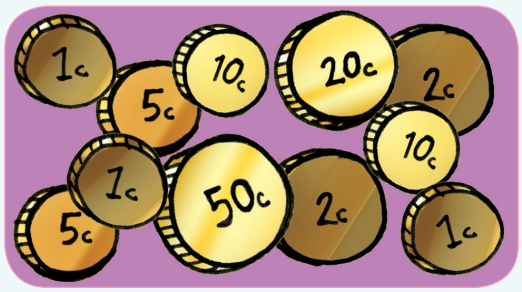












Word sums:

I have 100c. My father gives me another 50c. How much do I have? Draw a picture to show your answer.

I have 170c. I bought a sweet for 100c. How much money do I have left? Draw a picture to show your answer.

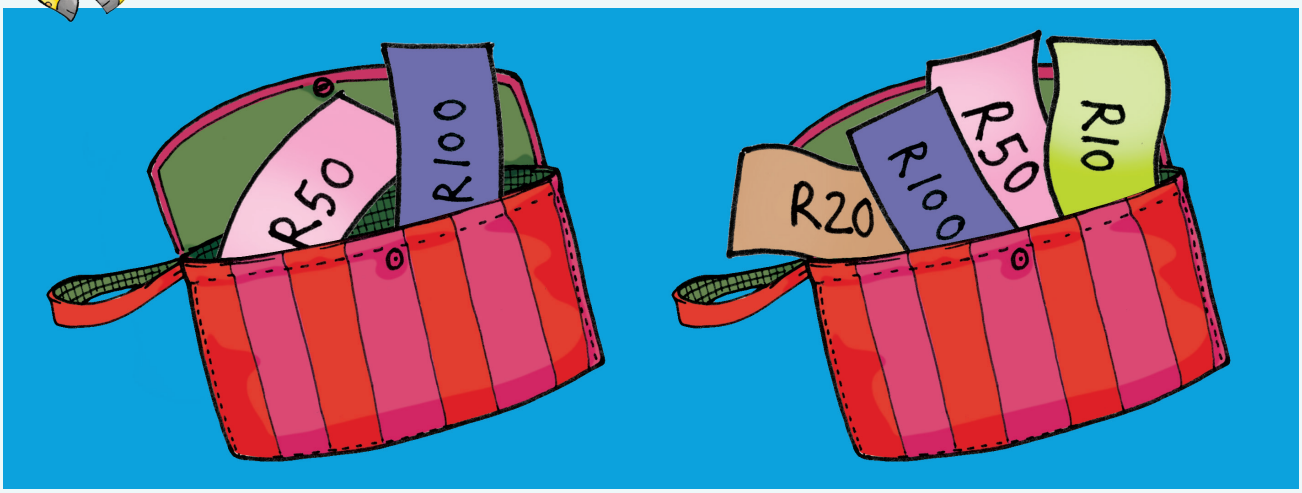
Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

Date:

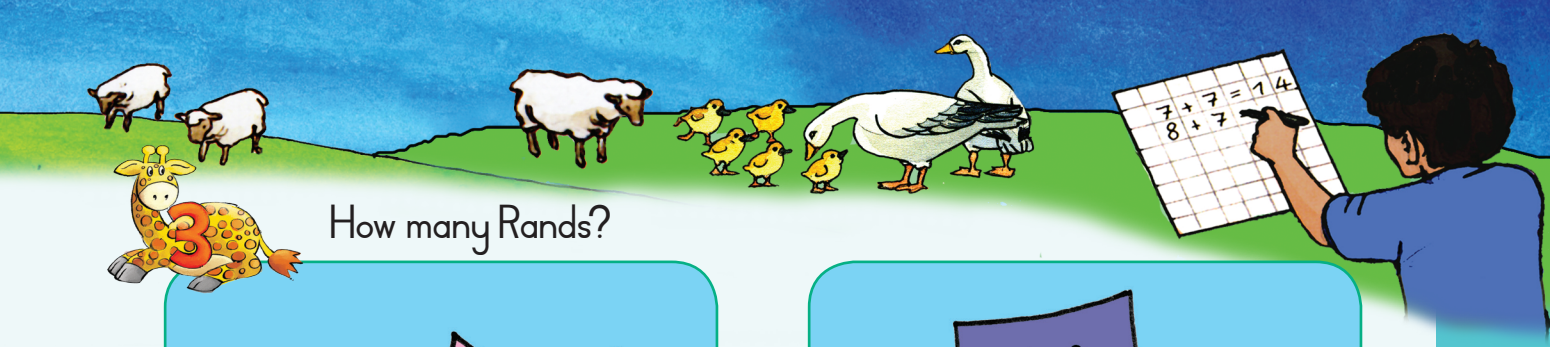
Note money

How much money is in my purse?

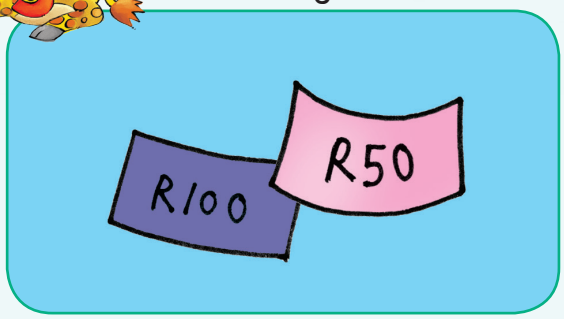


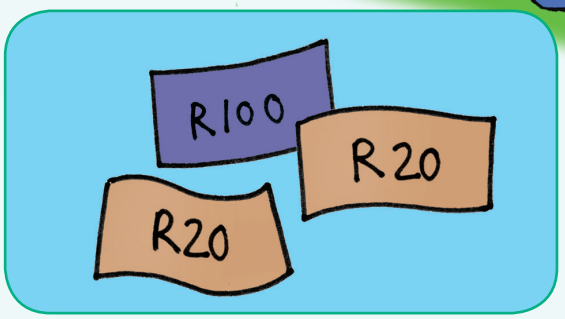
Use the money notes from Cut-out 3 and paste the correct amounts here.

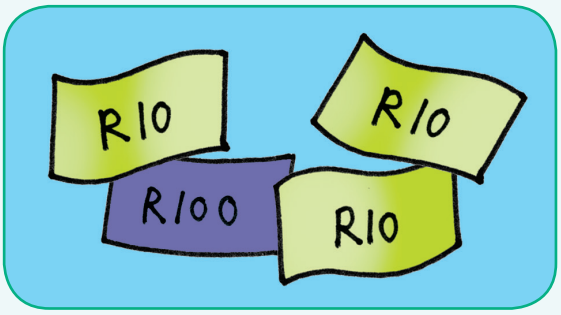
R 170	R 150
R 110	R 130
R 160	R 190

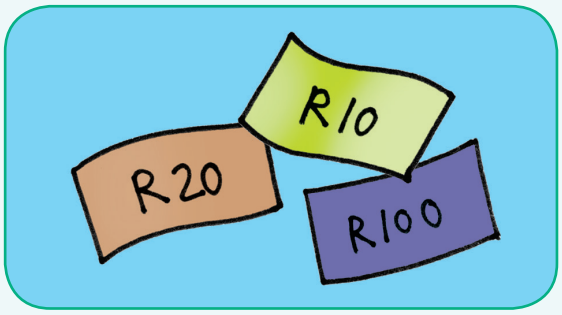


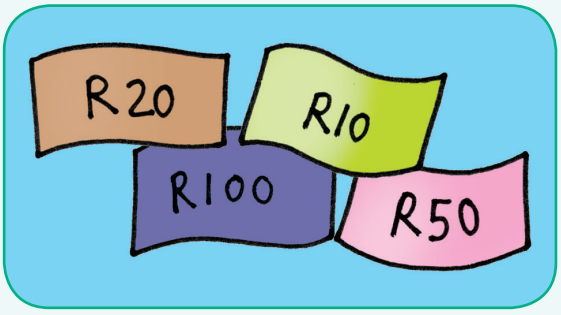
How many Rands?

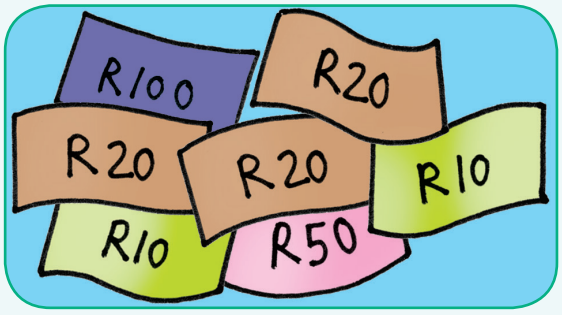












Word sums:

My brother has R100. I have R50 and my little sister has R20. How much money do we have altogether? _____

I have R160. I bought a shirt for R50. How much money do I have left?

_____

Teacher:
Sign:
Date:

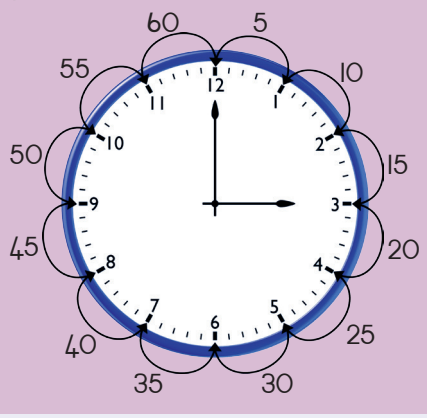
11 12 13 14 15 16 17 18 19 20

80

Date:

Time-patterns

Talk about the clock.



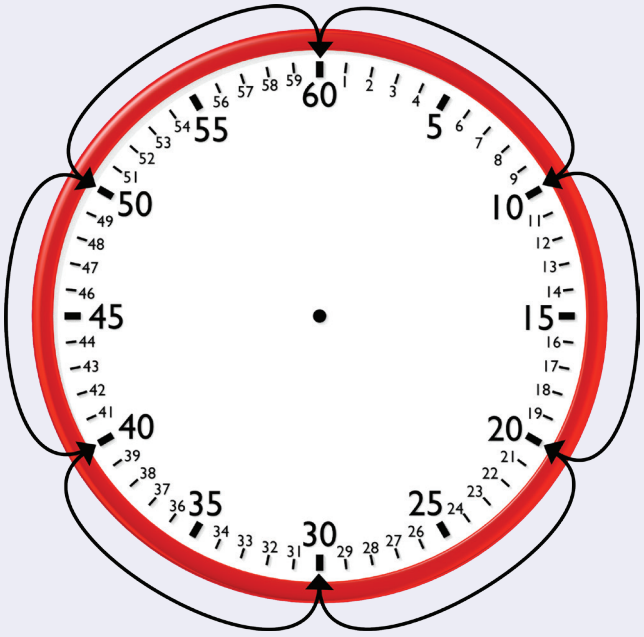
A clock shows us the time.

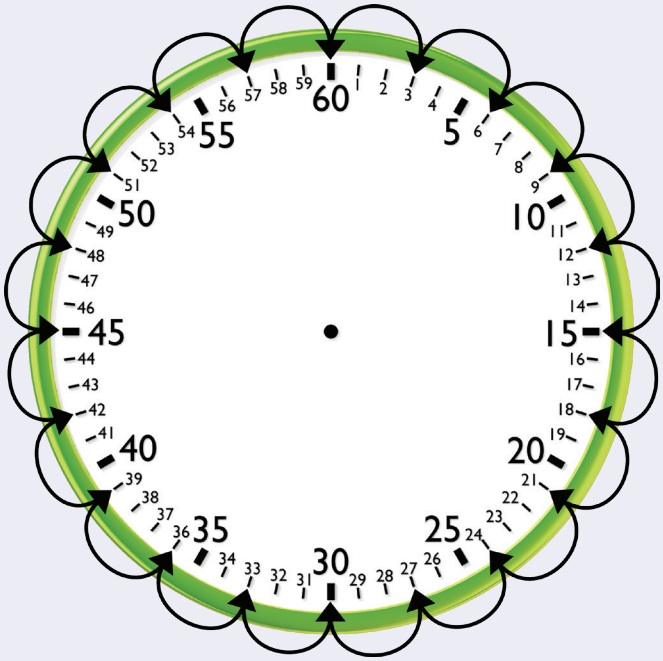
The short hand shows us hours.

The long hand shows us minutes.

Here we count the minutes in fives.

What is the pattern? Look at the arrows each time and write down the pattern.





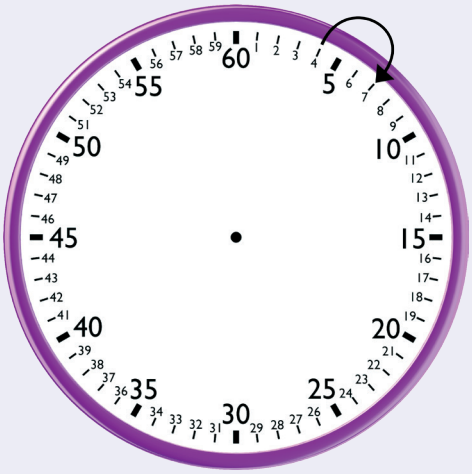
10 ___, ___, ___, ___, ___,

3 ___, ___, ___, ___, ___, ___, ___,
___, ___, ___, ___, ___, ___, ___, ___,
___, ___, ___, ___,

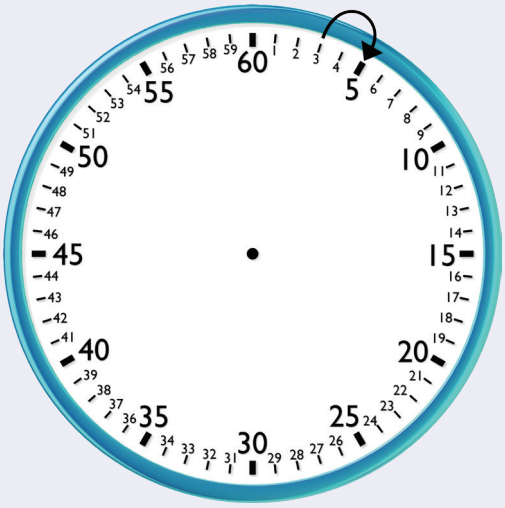
1 2 3 4 5 6 7 8 9 10

Show the pattern using arrows.

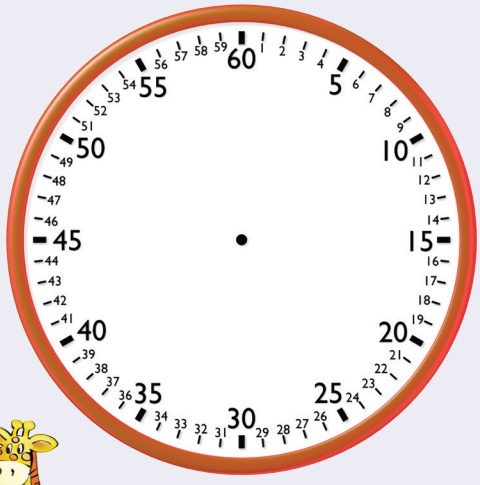
Count in 3s start at 4.



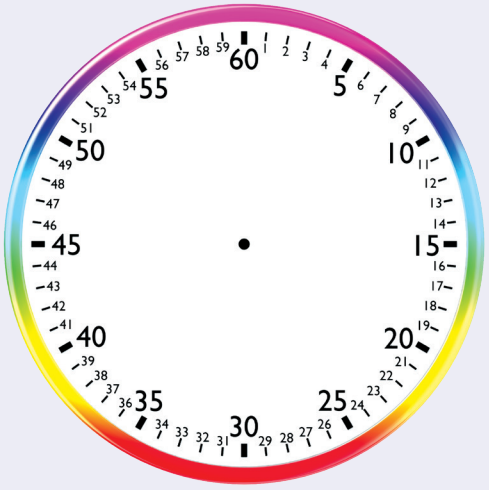
Count in 2s start at 3.



Count in 10s start at 1.



Count in 5s start at 2.



What time do you go to school?

_____

What time do you go home?

_____

What time do you eat supper?

_____

Teacher:

Sign:

Date:

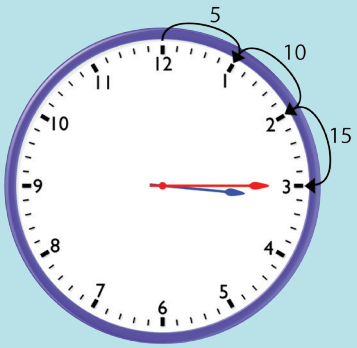
11 12 13 14 15 16 17 18 19 20

8Ia

Hours and minutes

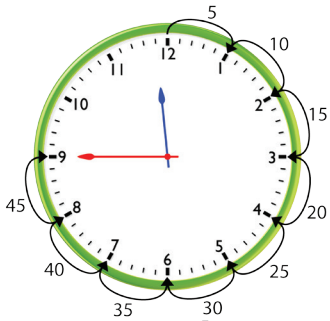
Date:

1 Talk about the clock.

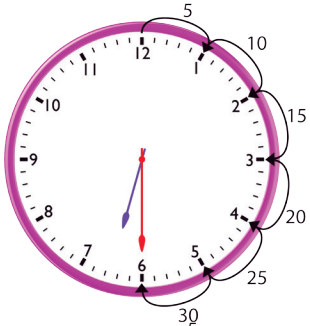


The short hand shows us a little past 3 hours.
The long hand shows us it is 15 minutes.
We say it is a quarter past three.
We mean it is fifteen minutes after 3 hours.
Fifteen minutes is a quarter of sixty minutes (an hour).

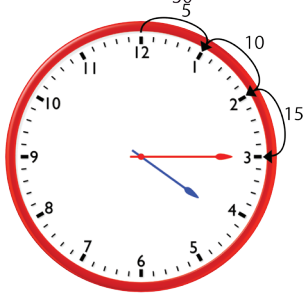
2 What is the time?



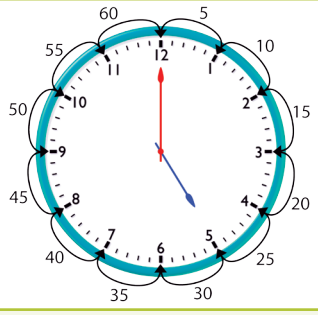
The short hand is nearly at _____ .
The long hand shows us it is _____ .
We say it is _____ .



The short hand is between _____ .
The long hand shows us it is _____ .
We say it is _____ .



The short hand is just past _____ .
The long hand shows us it is _____ .
We say it is _____ .



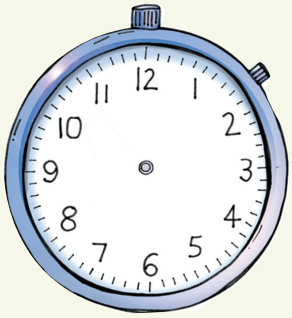
The short hand shows us _____.

The long hand shows us it is _____.

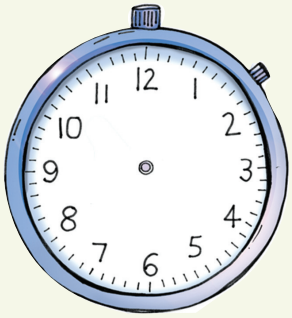
We say it is _____.

Draw the long hand and short hand to show.

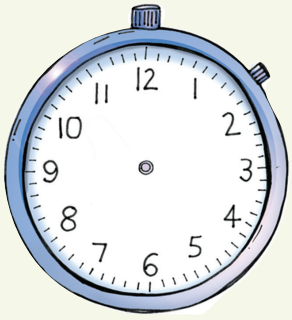
Quarter past two.



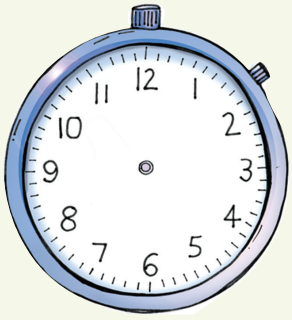
Half past nine.



Ten o'clock.



Quarter to six.



What do you do during this time in the week? Draw a picture.

Quarter past eight in the morning.

Quarter past eight in the evening.

Teacher:

Sign:

Date:

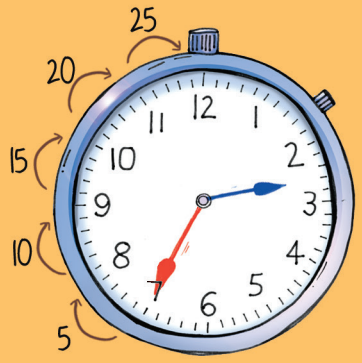
11 12 13 14 15 16 17 18 19 20

8lb

Minutes and hours

Date:

1 Talk about the clock.



The short hand is just before three.

The long hand stands on 35 minutes.

It is 25 minutes before the long hand is on 12.

We say it is twenty five to three.

We mean it is 25 minutes before the 3rd hour.

2 What is the time?

The short hand stands on _____ .

The long hand stands on _____ .

It is _____ before the long hand is on 12.

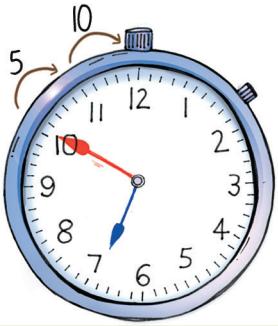
We say it is _____ to _____ .

The short hand stands on _____ .

The long hand stands on _____ .

It is _____ before the long hand is on 12.

We say it is _____ to _____ .



The short hand stands on _____ .

The long hand stands on _____ .

It is _____ before the long hand is on 12.

We say it is _____ to _____ .

The short hand stands on _____ .

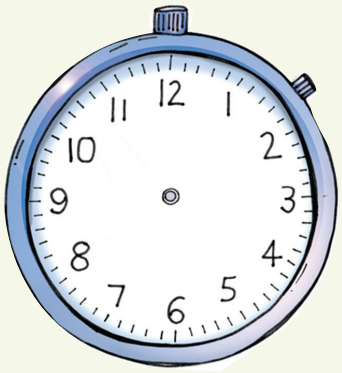
The long hand stands on _____.

It is _____ before the long hand is on 12.

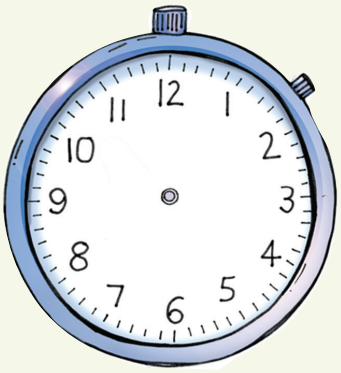
We say it is _____ to _____.

Draw the long hand and short hand to show:

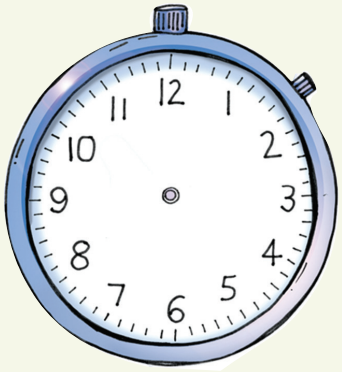
Five to eight.



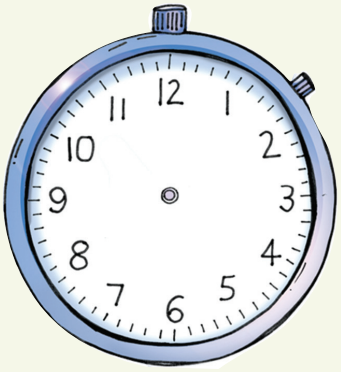
Twenty to three.



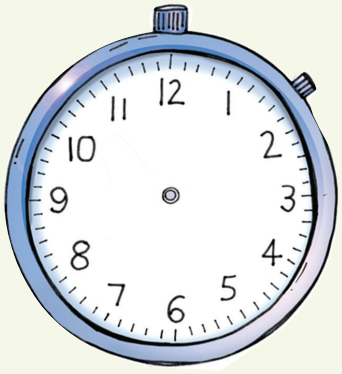
Five to one.



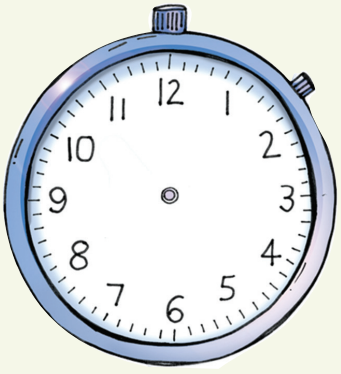
Ten to six.



Thirteen to seven.



Twelve to twelve.



Teacher:

Sign:

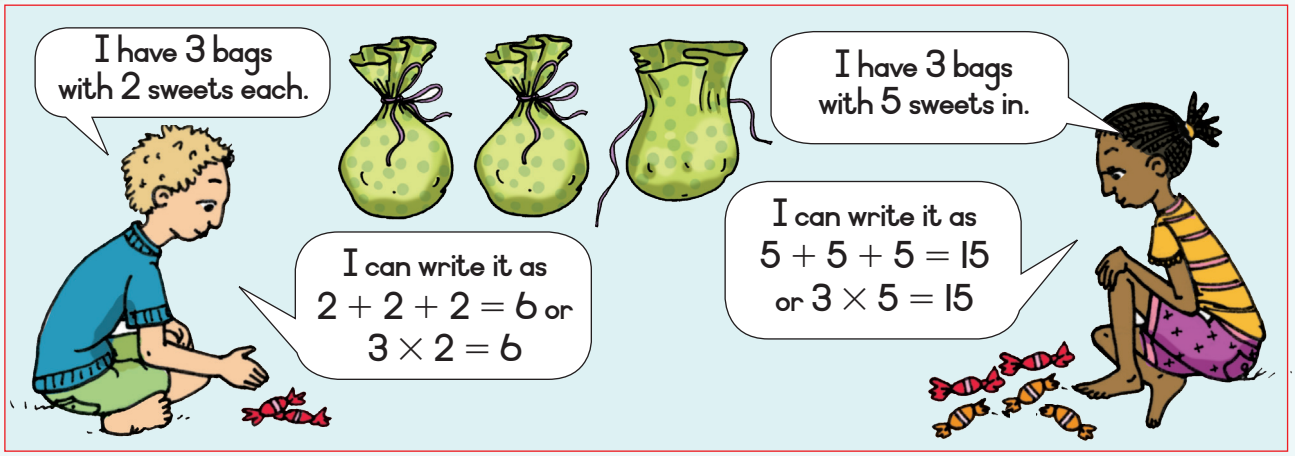
Date:

11 12 13 14 15 16 17 18 19 20

82

Date:

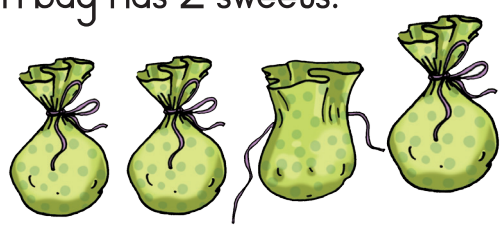
Repeated addition



Look at the bags with sweets:

- Write a sentence on each.
- Write an addition sum for each.
- Write a multiplication sum for each.

Each bag has 2 sweets.



Sentence: 4 groups of 2

Addition sum: 2 + 2 + 2 + 2 = ___

Multiplication sum: 4 × 2 = _____

Each bag has 2 sweets.

Sentence: _____

Addition sum: _____

Multiplication sum: _____

Each bag has 5 sweets.

Sentence: _____

Addition sum: _____

Multiplication sum: _____

Each bag has 2 sweets.

Sentence: _____

Addition sum: _____

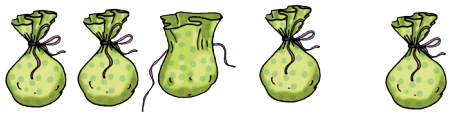
Multiplication sum: _____

Let us try it with bags with 4 sweets each.
Each bag has 4 sweets. How many sweets are there?

Sentence: 7 groups of 4
Addition sum:
4 + 4 + 4 + 4 + 4 + 4 + 4 = 28
Multiplication sum: 7 × 4 = 28

Sentence: _____
Addition sum: _____
Multiplication sum: _____

Sentence: _____
Addition sum: _____
Multiplication sum: _____



Sentence: _____
Addition sum: _____
Multiplication sum: _____

Complete the multiplication table.

×	1	2	3	4	5	6	7	8	9	10
2			6							
4					20					
5										50

I have five boxes with two muffins in each. How many muffins are there in total?

I have four boxes with five cupcakes each. How many cupcakes are there in total?

I have three boxes with four doughnuts in each. How many doughnuts are there in total?

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

83

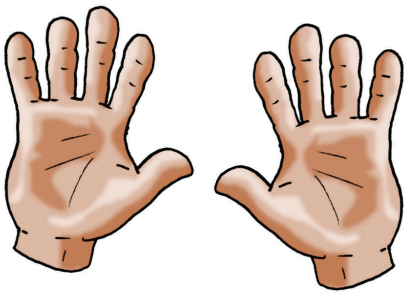
Multiply by 5

Date:

One foot has 5 toes.

What is the total number of toes? ☐

One hand has 5 fingers.



What is the total number of fingers? ☐

Complete the following:

☐ × ☐ = ☐ Toes on one foot × Feet

☐ × ☐ = ☐ Fingers on one hand × Hand

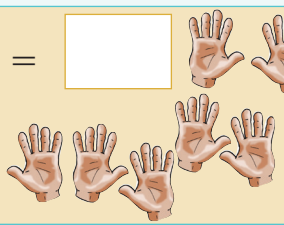
☐ × ☐ = ☐ Toes on one foot × Feet

☐ × ☐ = ☐ Fingers on one hand × Hands

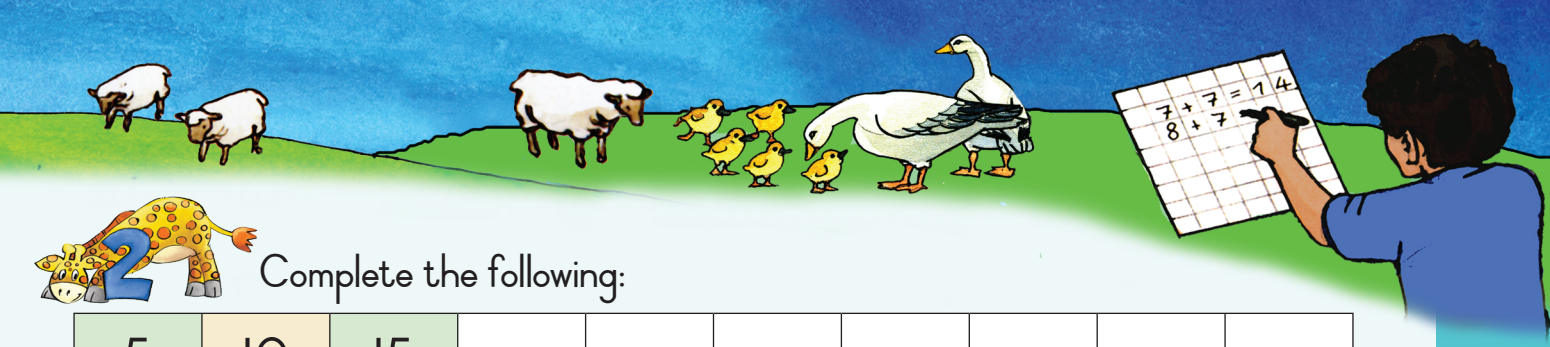
☐ × ☐ = ☐ Toes on one foot × Feet

☐ × ☐ = ☐ Fingers on one hand × Hands

☐ × ☐ = ☐ Toes on one foot × Feet



☐ × ☐ = ☐ Fingers on one hand × Hands



2 Complete the following:

5	10	15							
50	45	40							

3 Complete the following:

5 ×  = ☐ apples	4 ×  = ☐ bananas
6 ×  = ☐ bananas	7 ×  = ☐ apples

4 Complete the following:

15 × 5 = ☐ 10 + 5 × 5 = 10 + 5 × 5 = 10 × 5 + 5 × 5 = 50 + 25 = 75	12 × 5 = ☐ 10 + 2 × 5 = ☐ + ☐ × ☐ = ☐ × ☐ + ☐ × ☐ = ☐ + ☐ = ☐
14 × 5 = ☐ 10 + 4 × 5 = ☐ + ☐ × ☐ = ☐ × ☐ + ☐ × ☐ = ☐ + ☐ = ☐	13 × 5 = ☐ 10 + 3 × 5 = ☐ + ☐ × ☐ = ☐ × ☐ + ☐ × ☐ = ☐ + ☐ = ☐

Teacher:
Sign:
Date:

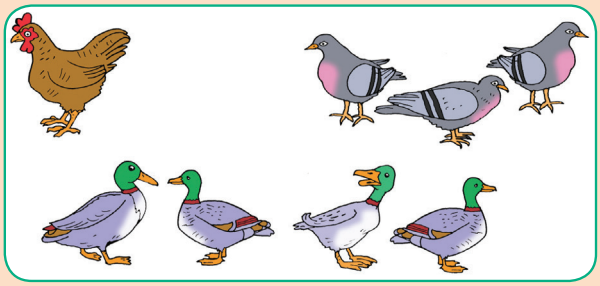
11 12 13 14 15 16 17 18 19 20

84

Multiply by 2

Date:

All birds have 2 feet.



All birds have 2 wings.

What is the total number of feet in this picture? ☐

What is the total number of wings in this picture? ☐

Look at the picture and complete the following.

pigeons

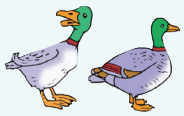
☐ × ☐ = ☐

Number of pigeons — Feet per bird

☐ × ☐ = ☐

Number of pigeons — Wings per bird

ducks



☐ × ☐ = ☐

Number of ducks — Feet per bird

☐ × ☐ = ☐

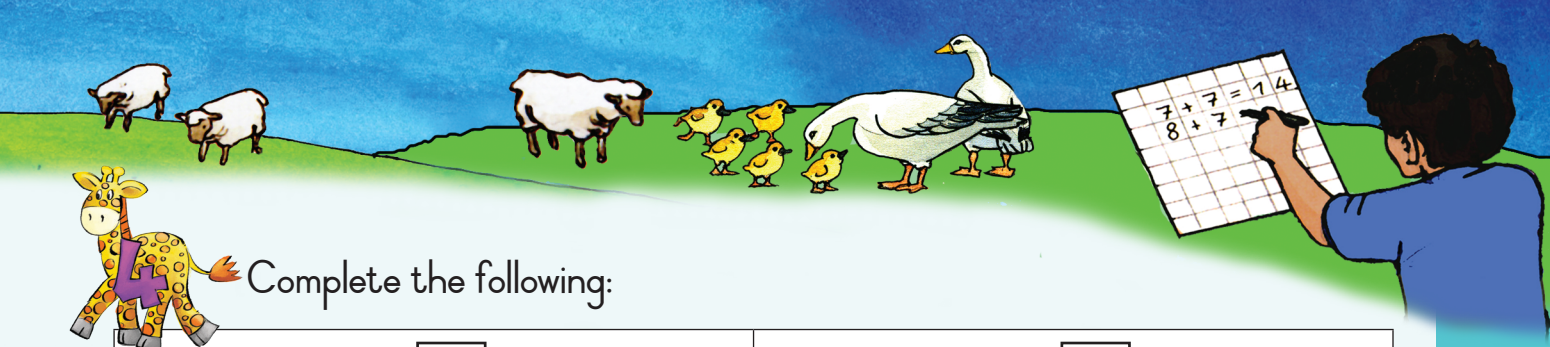
Number of ducks — Wings per bird

Complete the following:

2	4	6							
20	18	16							

Complete the following:

5 ×  = ☐ apples	4 ×  = ☐ bananas
6 ×  = ☐ bananas	7 ×  = ☐ apples



4 Complete the following:

$12 \times 2 = \square$

$10 + 2 \times 2$

$= 10 + 2 \times 2$

$= 10 \times 2 + 2 \times 2$

$= 20 + 4$

$= 24$

$15 \times 2 = \square$

$10 + 5 \times 2$

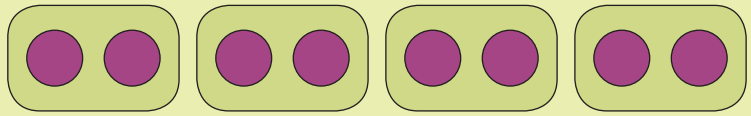
$= \square + \square \times \square$

$= \square \times \square + \square \times \square$

$= \square + \square$

$= \square$

5



$2 + 2 + 2 + 2 = 8$

or

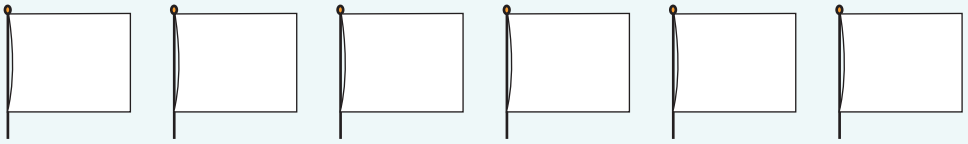
$4 \times 2 = 8$

or

$8 \div 2 = 4$

This is a division symbol.

Draw 2 stars on each flag.



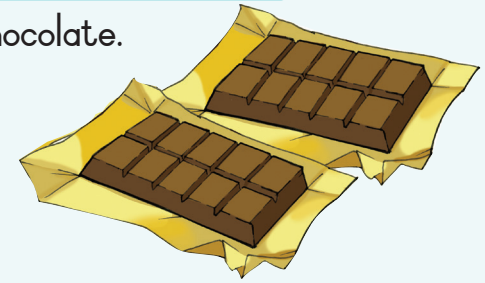
$2 + \_\_\_\_ + \_\_\_\_ + \_\_\_\_ + \_\_\_\_ + \_\_\_\_ = \_\_\_\_$

$\_\_\_\_ \times \_\_\_\_ = \_\_\_\_$

6 How many blocks in these slabs of chocolate.

$\_\_\_\_ \times \_\_\_\_ = \_\_\_\_$

$\_\_\_\_ \times \_\_\_\_ = \_\_\_\_$



Teacher:

Sign:

Date:

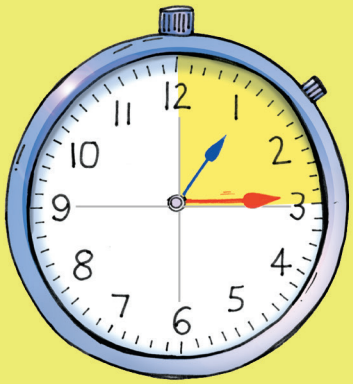
11 12 13 14 15 16 17 18 19 20

85a

Quarter past

Date:

1 Talk about the clock.



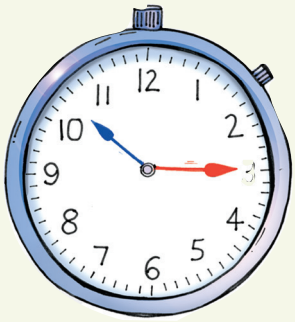
The short hand just passed one.

The long hand stands on fifteen minutes.

We say it is quarter past one.

We mean it is a quarter of an hour (15 minutes) after the 1st hour.

2 What is the time?



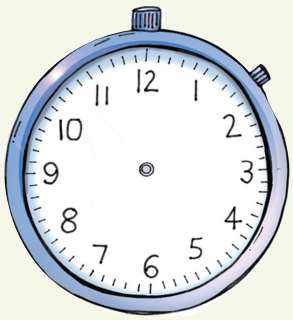
The short hand just passed _____ .

The long hand stands on _____ minutes.

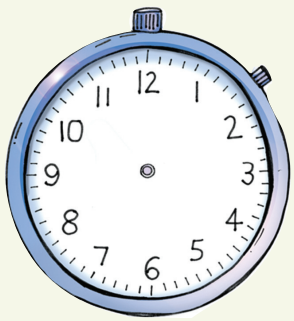
We say it is _____ past _____.

3 Draw the long hand and short hand.

Quarter past 8.



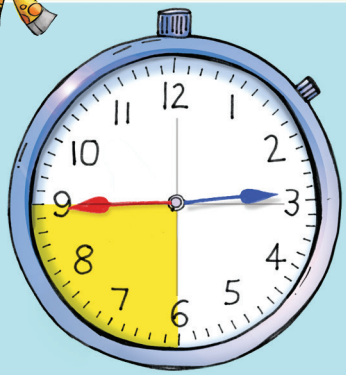
Quarter past 3.



1 2 3 4 5 6 7 8 9 10

Quarter to

4 Talk about the clock.



The short hand is just before three.

The long hand stands on forty five minutes.

We say it is quarter to three.

We mean it is a quarter of an hour (15 minutes) before the 3rd hour.

5 What is the time?

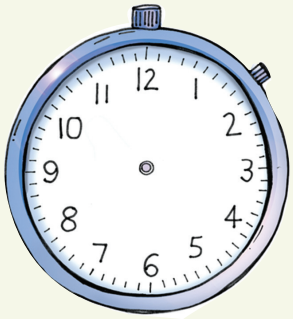
The short hand is just before _____ .

The long hand stands on _____ minutes.

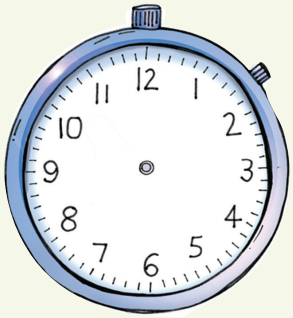
We say it is _____ to _____ .

6 Draw the long hand and short hand.

Quarter to 4.



Quarter to 8.

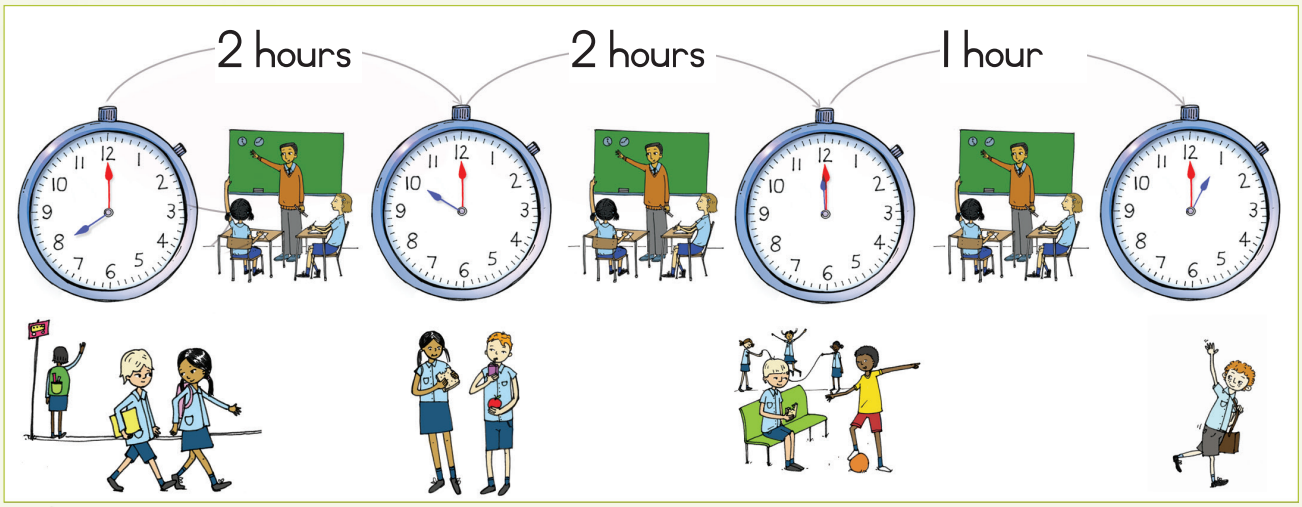


Teacher:
Sign:
Date:

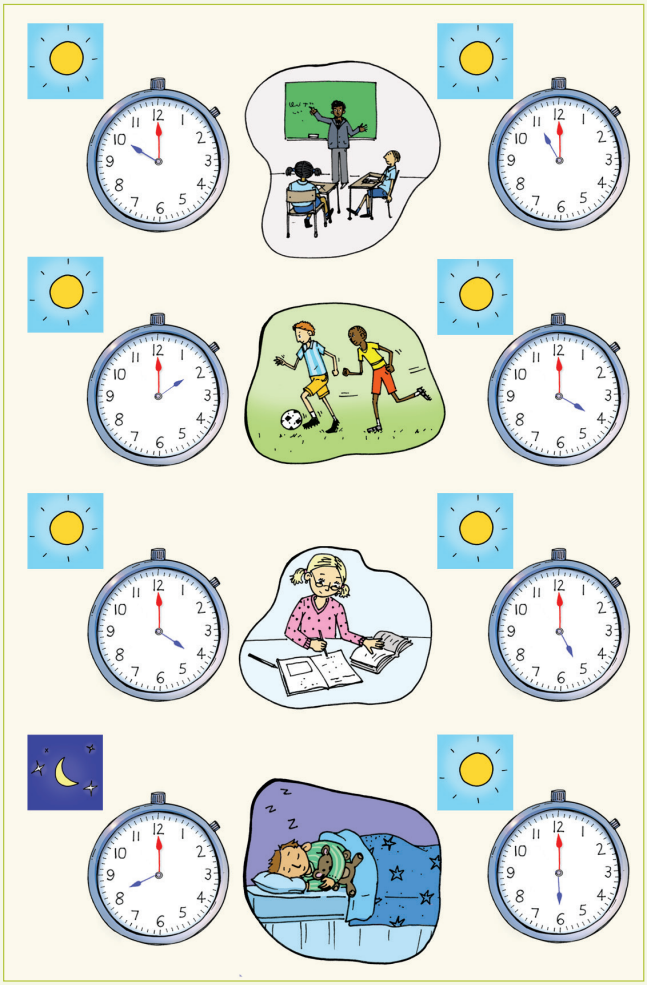
85b

Time passes

Date:



How long did it take to complete the activity?



Count the hours.

How many hours is it from 4 o'clock to 7 o'clock? _____

How many hours is it from 8 o'clock to 12 o'clock? _____

How many hours is it from 1 o'clock to 8 o'clock? _____

How many hours is it from 5 o'clock to 10 o'clock? _____

How many hours is it from 2 o'clock to 11 o'clock? _____

Draw a picture for.

Bongi went to her friend's house at 10 o'clock on Saturday morning. She came home at 3 o'clock in the afternoon. For how many hours was she away?

John went fishing with his father. They left at 4 o'clock in the morning and got home at 10 o'clock at night. For how many hours were they away?

11 12 13 14 15 16 17 18 19 20

Date:

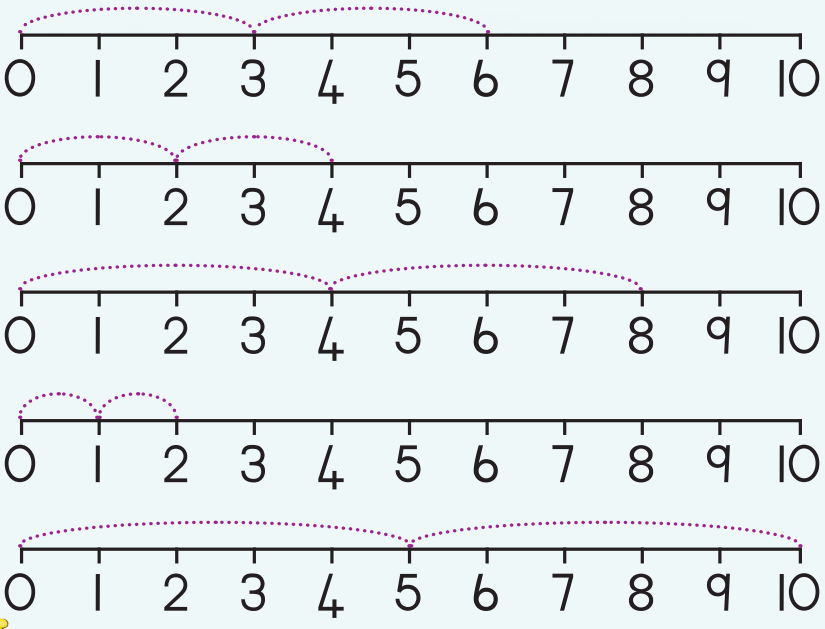
Double up

1 Look at the first and second picture. What happened?

2 Add the dots and write a sum for each.

			+		=			
			+		=			
			+		=			
			+		=			
			+		=			

Use the number lines to write a sum.



□ + □ = □

□ + □ = □

□ + □ = □

□ + □ = □

□ + □ = □

Double the following numbers.

Double 1	□ + □ = □	2 × □ = □
Double 2	□ + □ = □	2 × □ = □
Double 3	□ + □ = □	2 × □ = □
Double 4	□ + □ = □	2 × □ = □
Double 5	□ + □ = □	2 × □ = □

2 4 6 8 10 12 14

Teacher:

Sign:

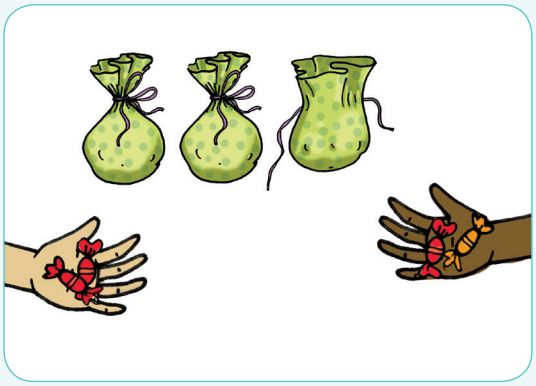
Date:

11 12 13 14 15 16 17 18 19 20

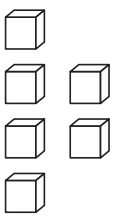
Date:

Doubling and halving

1 Look at the two pictures. Make your own story.

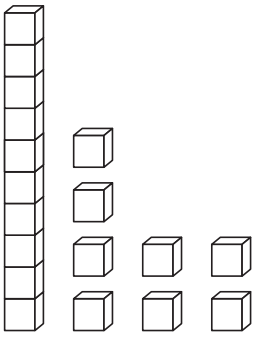


2 Count the objects and colour in half of them.



Count ☐

Half is ☐



Count ☐

Half is ☐

3 Complete the following and make a drawing.

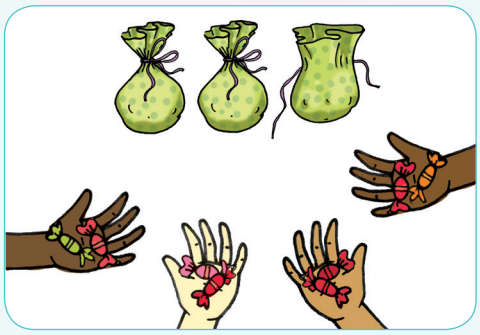
Double 12 is ☐

☐ + ☐

4 Complete.

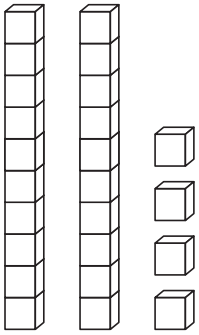
14		8				16			
					2				9

5 Look at the two pictures. Make your own story.



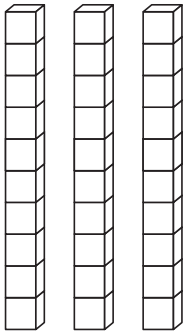
There are 10 sweets in a bag.

6 Count the objects and colour in half of them.



Count ☐

Half is ☐



Count ☐

Half is ☐

7 Complete the following and make a drawing.

Double 16 is ☐

☐ + ☐

8 Complete.

34			36	40
	22	19		

Teacher:

Sign:

Date:

11 12 13 14 15 16 17 18 19 20

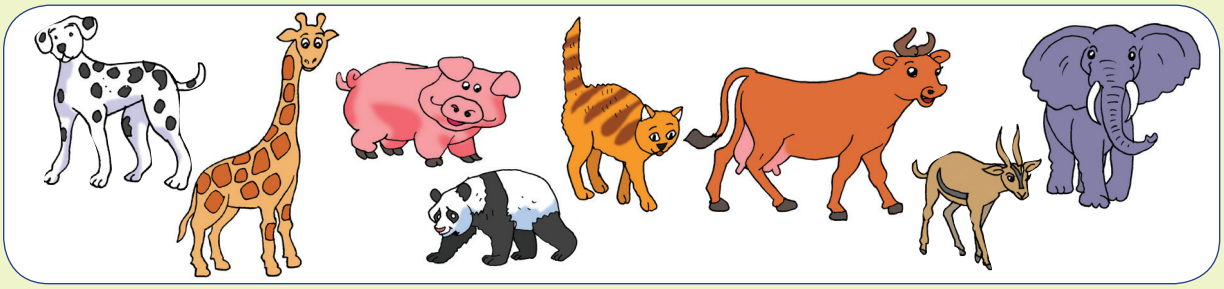
88

Date:

More multiplication

All these animals have 4 legs.

All these animals have 2 eyes.



What is the total number of feet in this picture? ☐

What is the total number of ears in this picture? ☐

1

Look at the picture and complete the following:

Dogs

☐ × ☐ = ☐

Number of dogs × Feet per animal

☐ × ☐ = ☐

Number of dogs × Eyes per animal

Wild animals

☐ × ☐ = ☐

Number of wild animals × Legs per animal

☐ × ☐ = ☐

Number of wild animals × Ears per animal

2

Complete the following:

4	8	12							
40	36	32							

3

Complete the following:

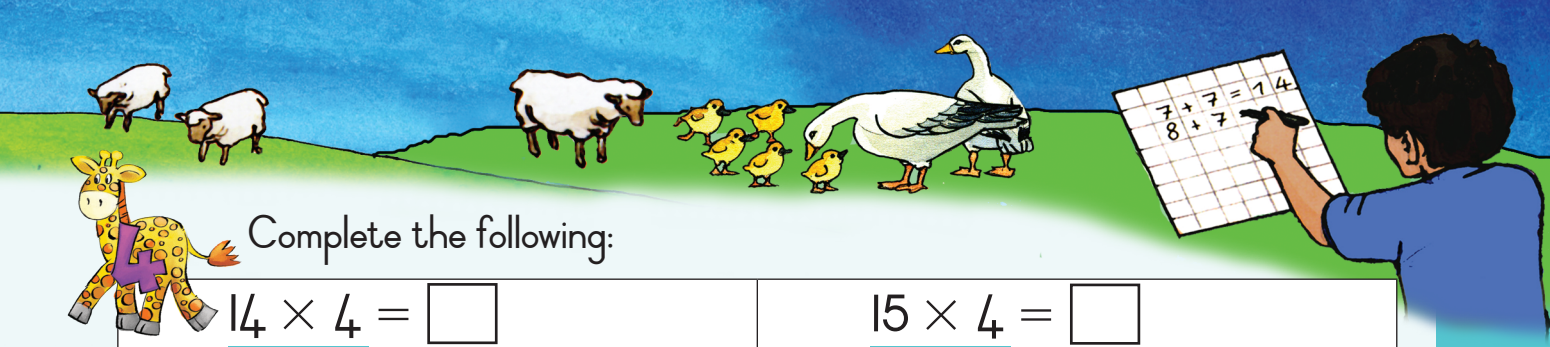
5 ×  = ☐ apples

4 ×  = ☐ bananas

6 ×  = ☐ bananas

7 ×  = ☐ apples

1 2 3 4 5 6 7 8 9 10



4 Complete the following:

$14 \times 4 = \square$

$10 \quad 4 \times 4$

$= 10 + 4 \times 4$

$= 10 \times 4 + 4 \times 4$

$= 40 + 16$

$= 56$

$15 \times 4 = \square$

$10 \quad 5 \times 4$

$= \square + \square \times \square$

$= \square \times \square + \square \times \square$

$= \square + \square$

$= \square$

5 Two friends play with two tea sets. Afterwards they sort them. What do they need to have exactly the same of each?

6 Complete the following.

Share 19 marbles equally between 4 children.

Each get ☐ Left over ☐

Share 22 pencils equally between 4 children.

Each get ☐ Left over ☐

7 Draw pictures to show your answers.

Share 23 books between 4 children.

Each get ☐ Left over ☐

Share 15 books between 4 children.

Each get ☐ Left over ☐

Teacher:
Sign:
Date:

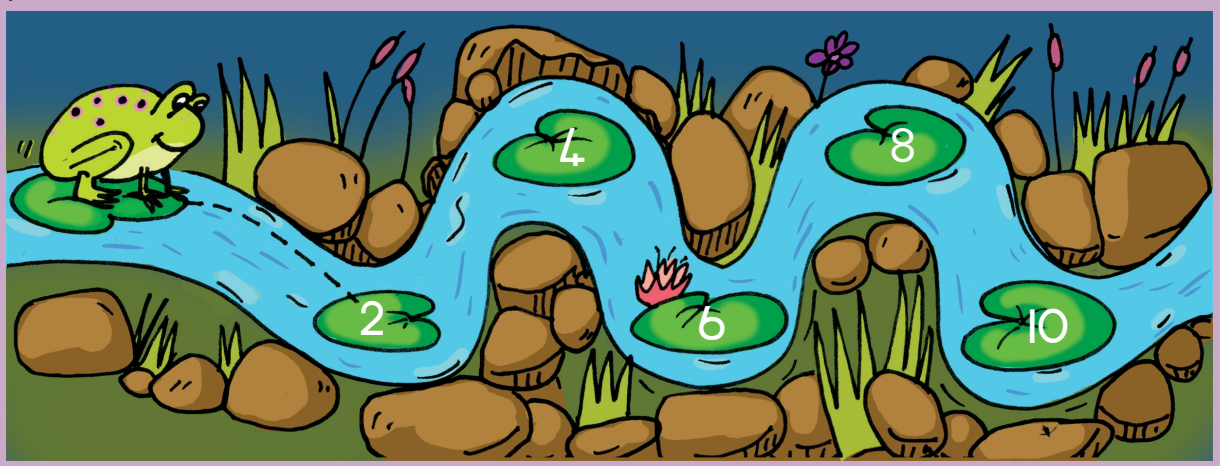
11 12 13 14 15 16 17 18 19 20

89

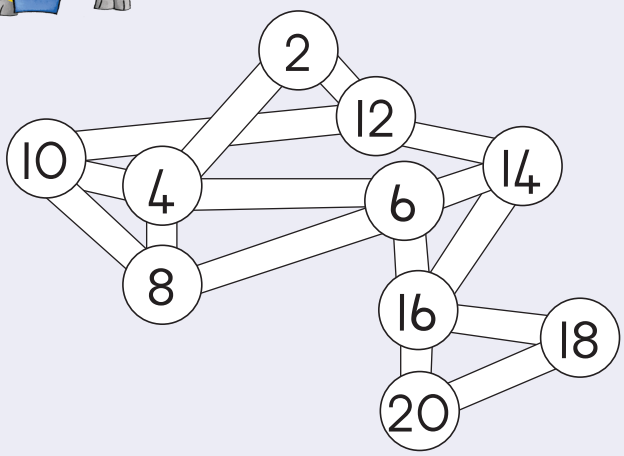
Date:

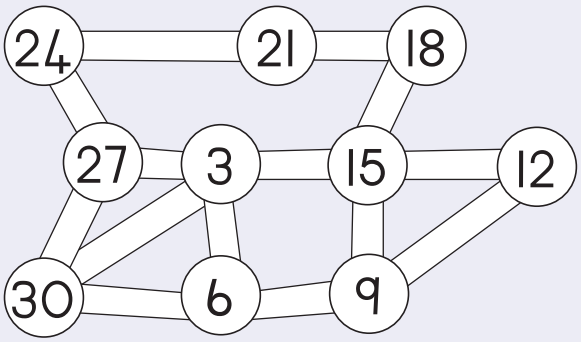
Number patterns

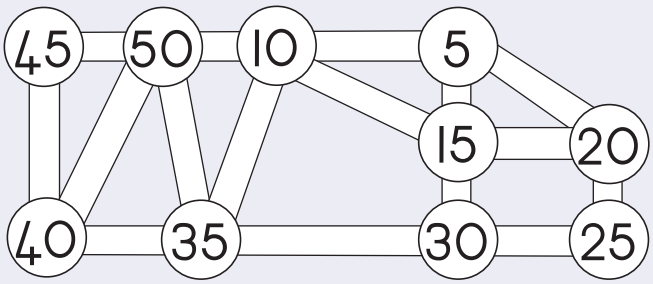
What will the number on the next leaf be?

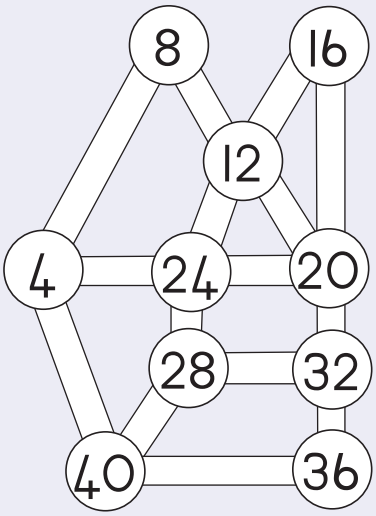


Identify the pattern. Draw the path, starting with the smallest number.

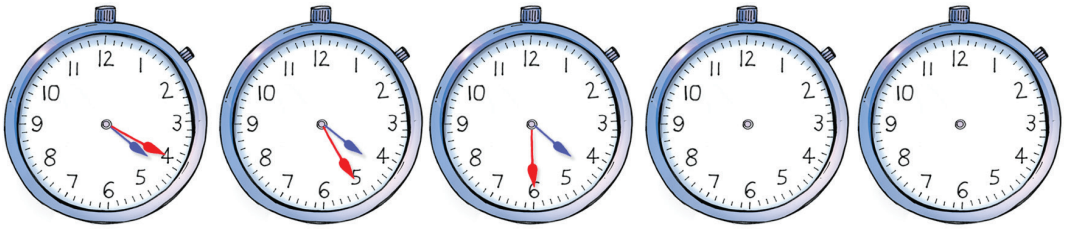




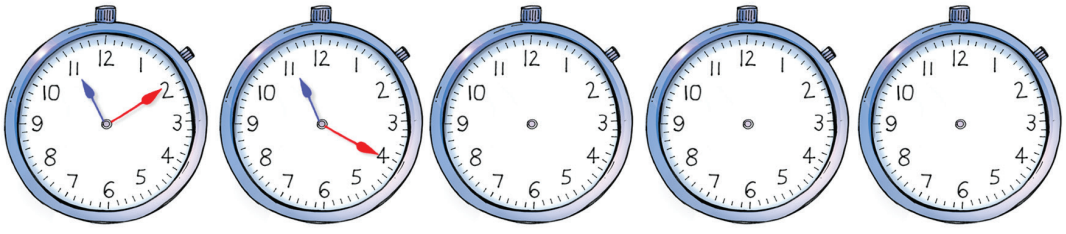




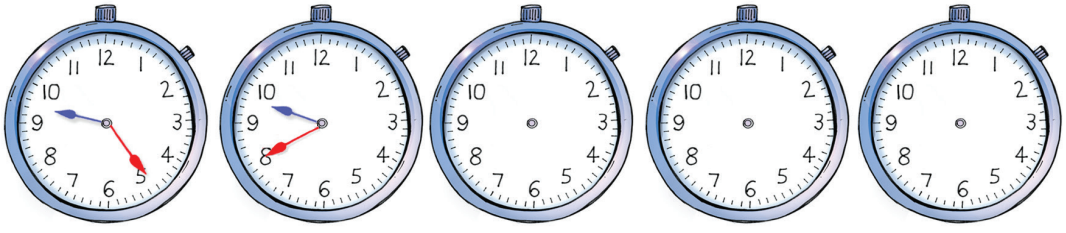
Draw the hands onto the clocks and complete the pattern of times.



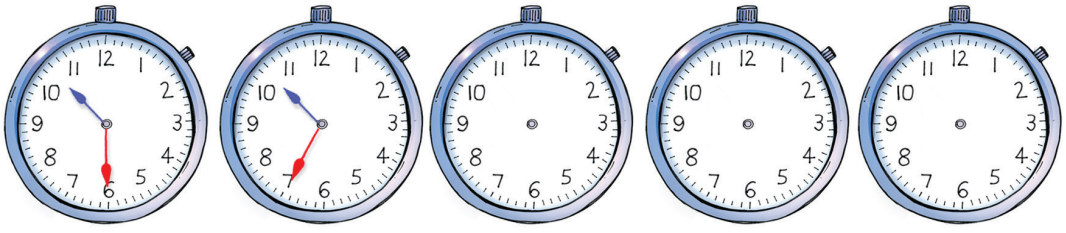
4:20 4:25 ___:___ ___:___ ___:___



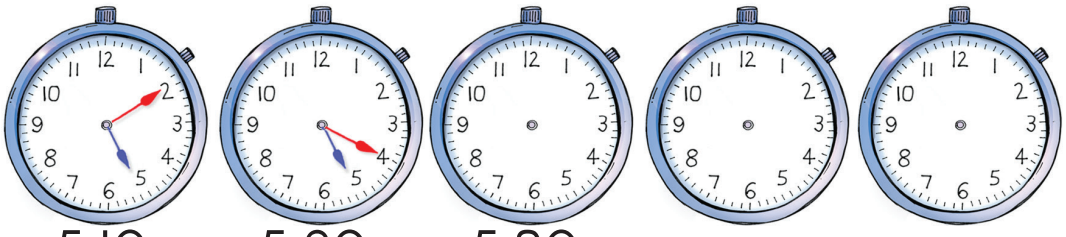
11:10 11:20 11:30 ___:___ ___:___



9:25 9:40 9:55 ___:___ ___:___



10:30 10:35 10:40 ___:___ ___:___



5:10 5:20 5:30 ___:___ ___:___

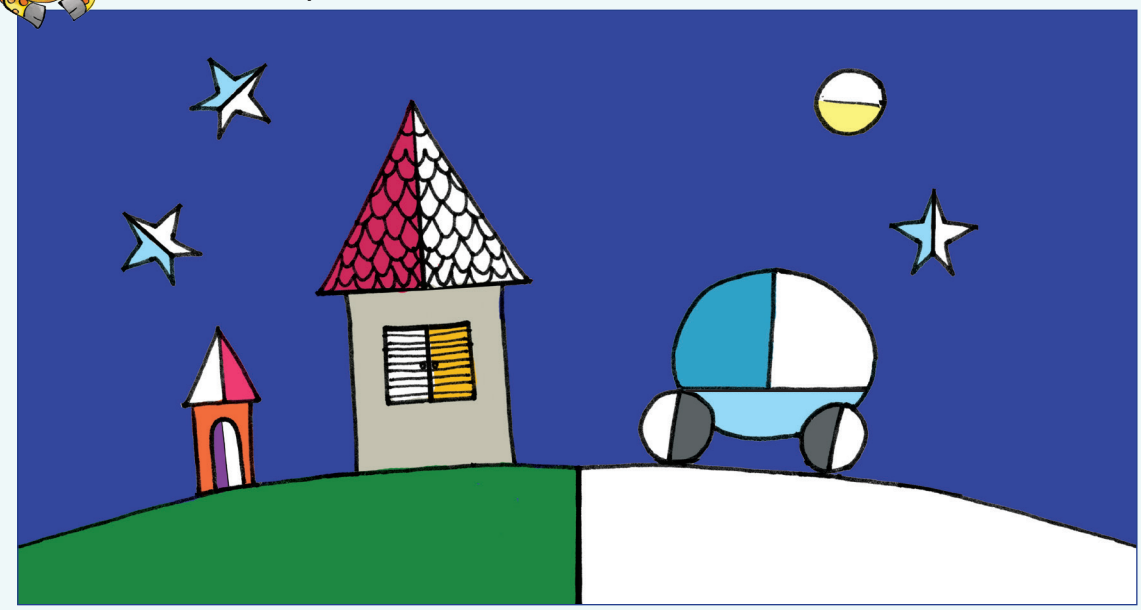
Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

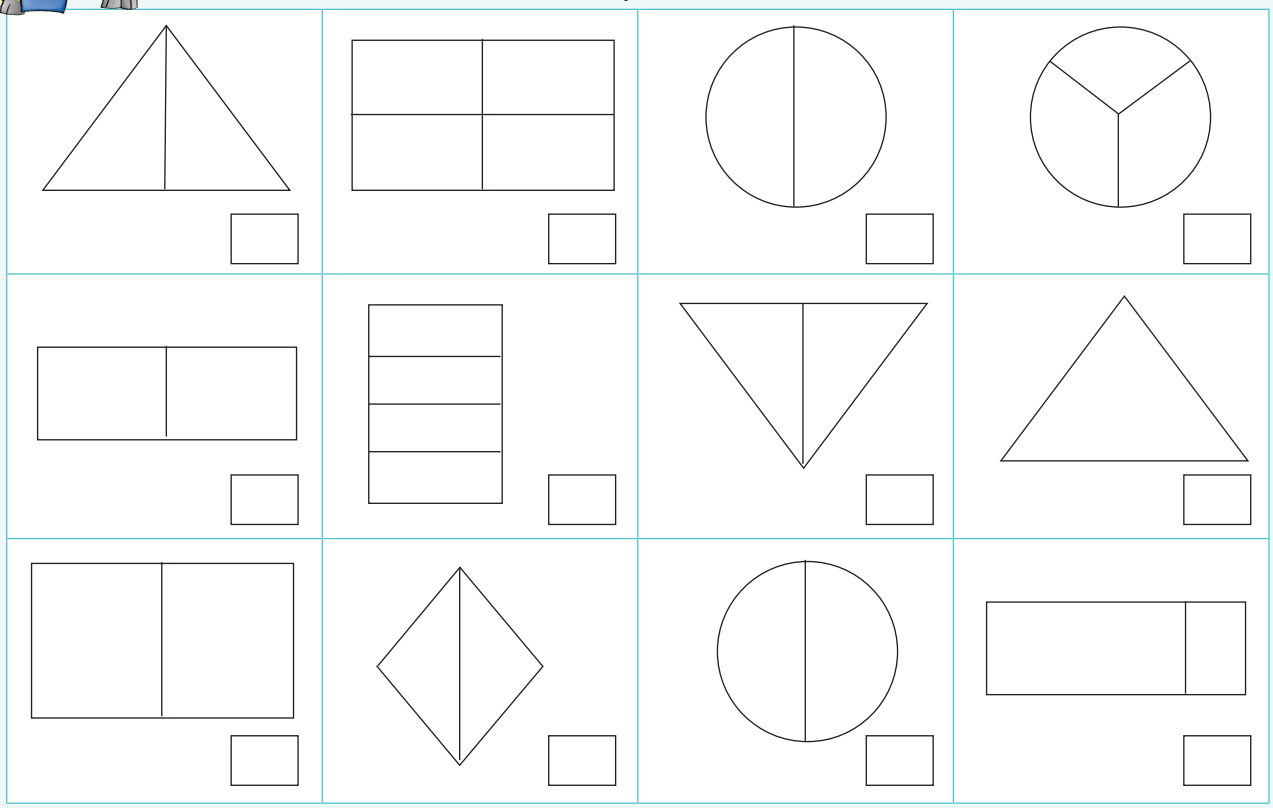
Date:

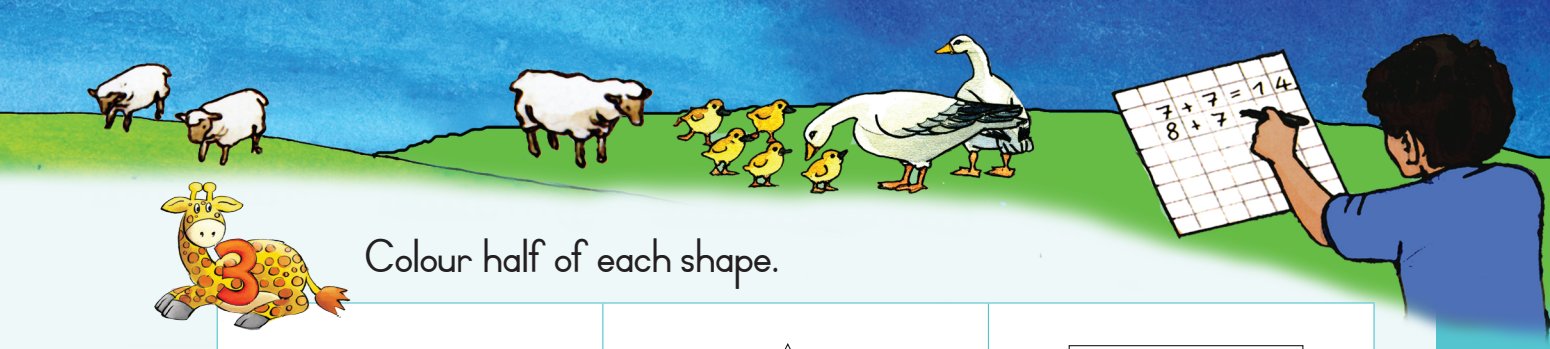
Fractions – halves

1 Look at the picture. Colour the other halves the same colour.

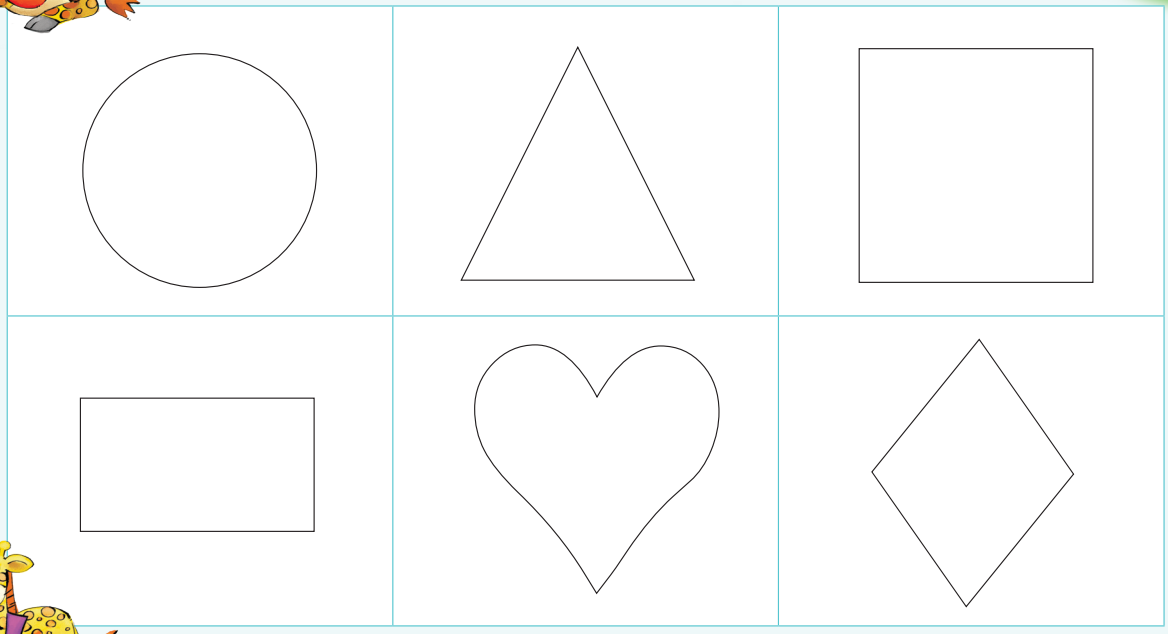


2 Look at the picture. Tick the shapes that show halves.
Colour one half of each shape that is divided into halves.

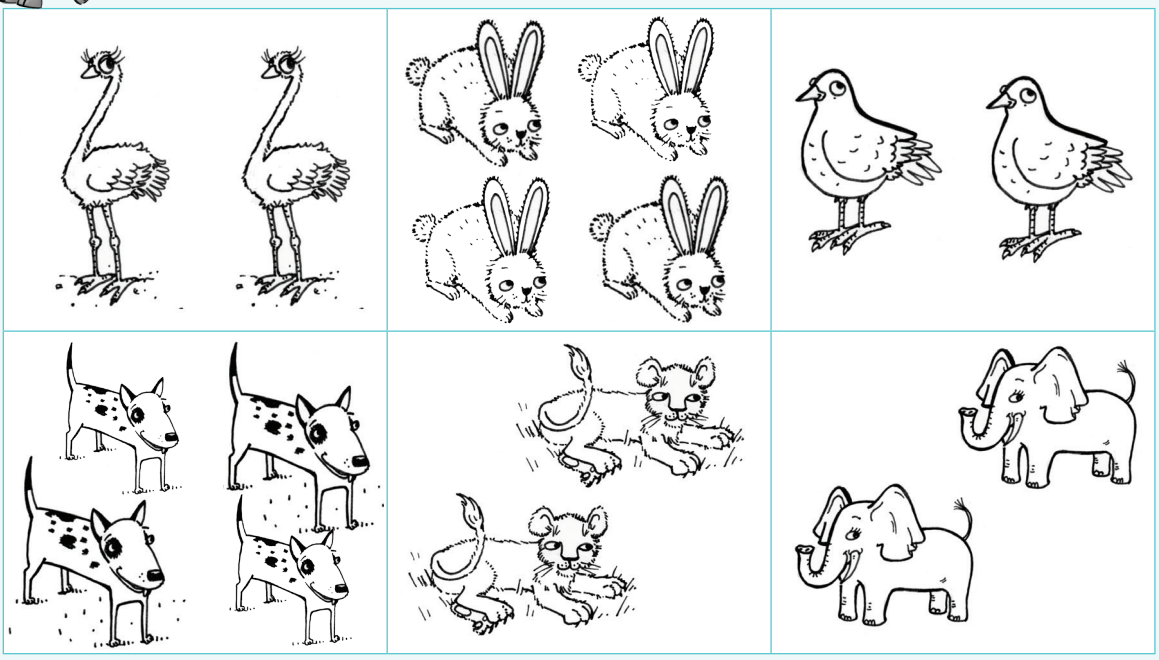




3 Colour half of each shape.



4 Colour half of the animals in each block.



half half half half

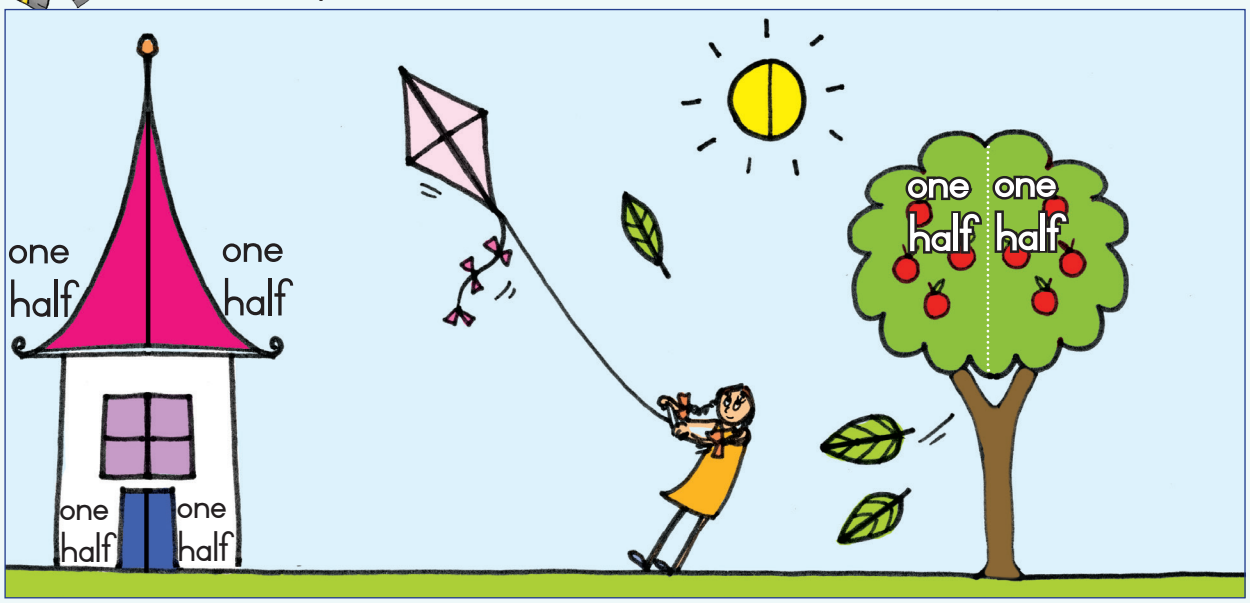
Teacher:
Sign:
Date:

91

Date:

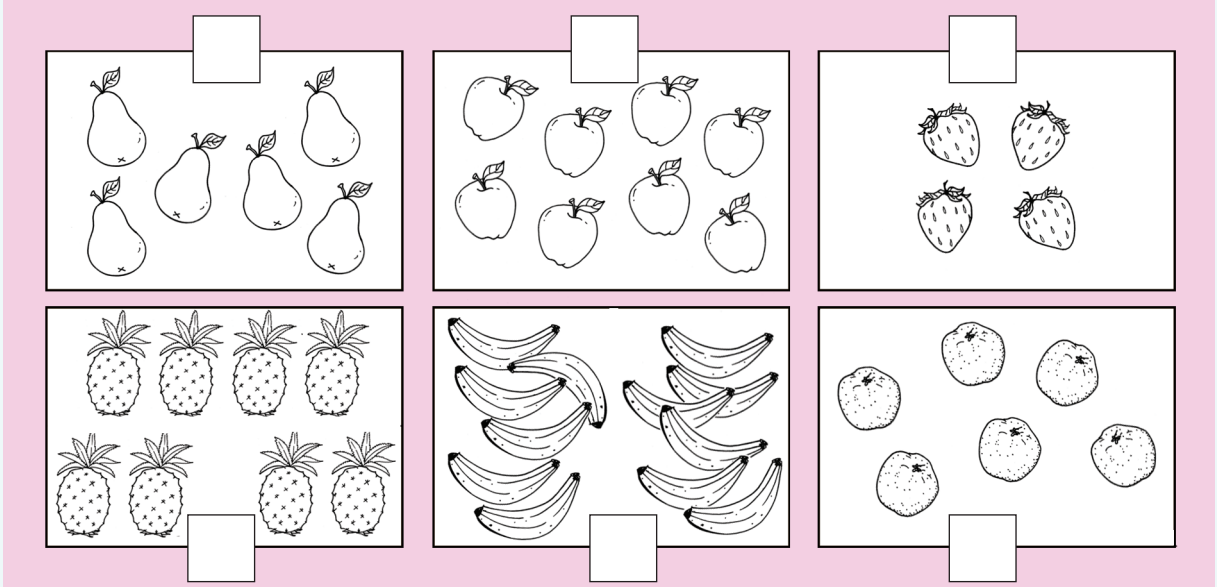
Fractions – more halves

1 Look at the picture. What does one half mean?



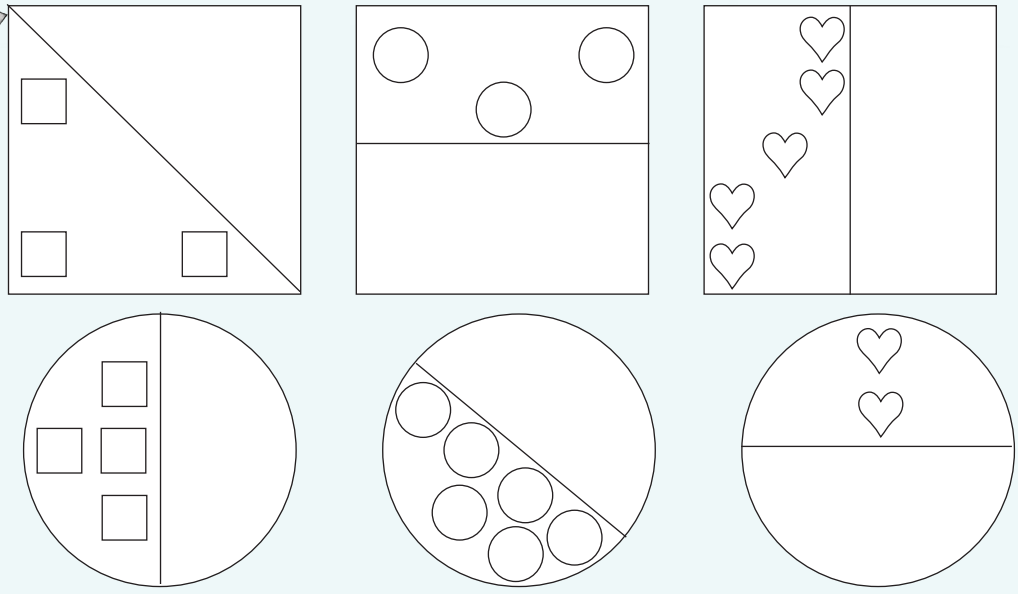
2 One half of the apples on the tree is ☐.

3 Colour in half the fruit in each group.
What is half the number of fruit in each group?

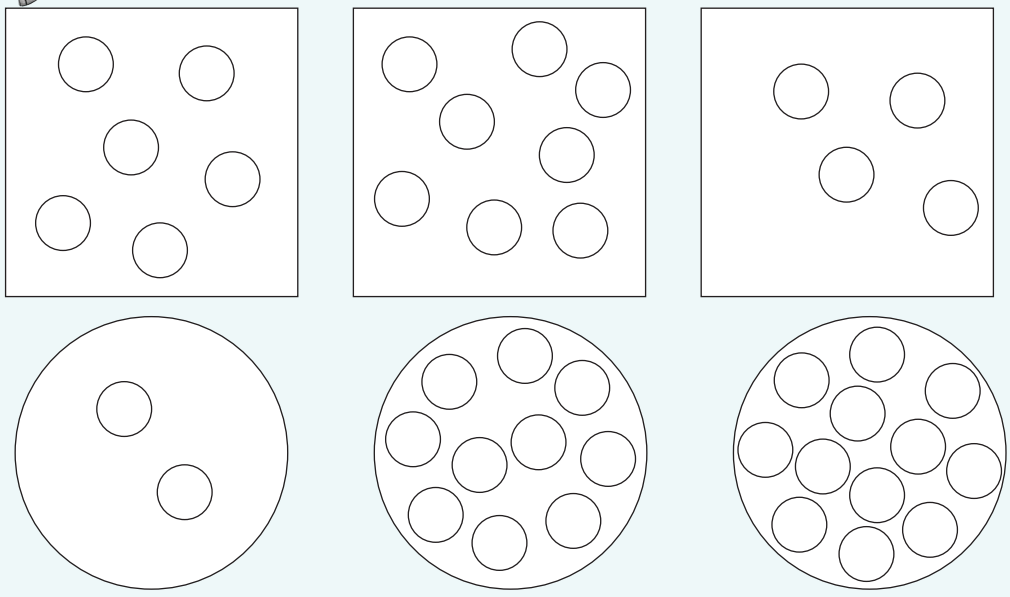


1 2 3 4 5 6 7 8 9 10

Draw the other half.



Colour in half of the shapes.



half half half half

Teacher:

Sign:

Date:

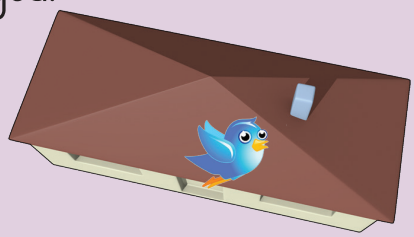
Date:

Position and views

Where is the bird standing? The words will help you.

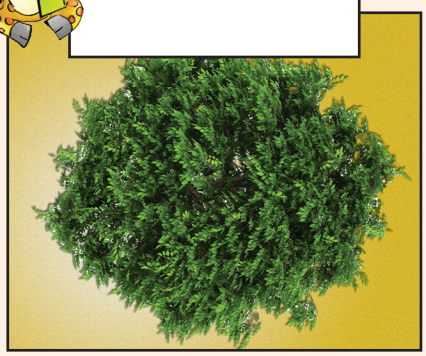
Front view of building.

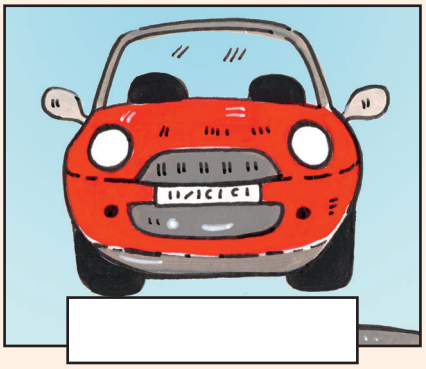
Side view of building.

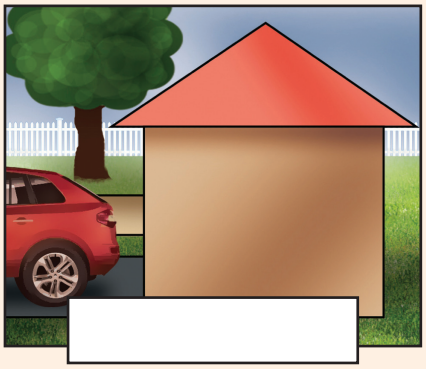


Top view of building.

Where was this person standing when they saw this?





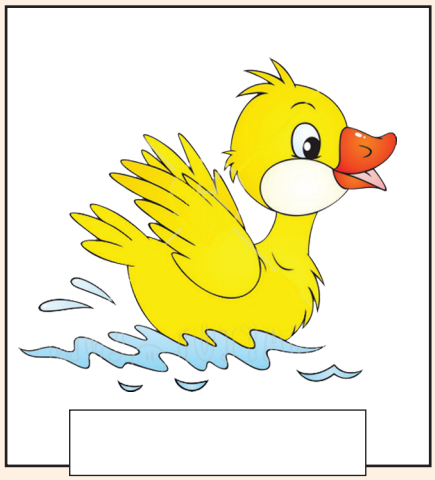


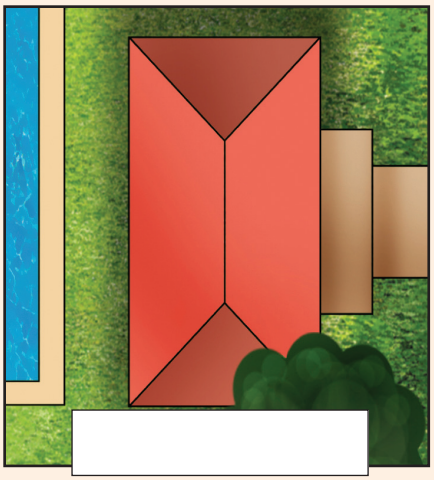
Write these words below the correct picture. What is the person seeing?

front view

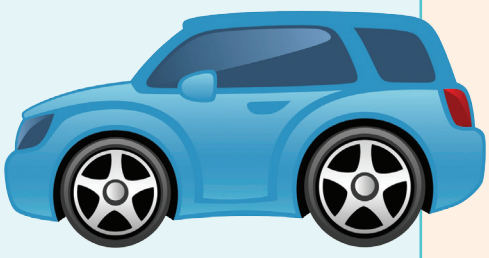
top view

side view





Say if the car is near or far from the boy.



Draw a tree near and far from the girl.

near

far

Do this activity:

- Look at any two objects with both eyes. What do you see?
- Close the one eye with one hand and what do you see now?

Teacher:

Sign:

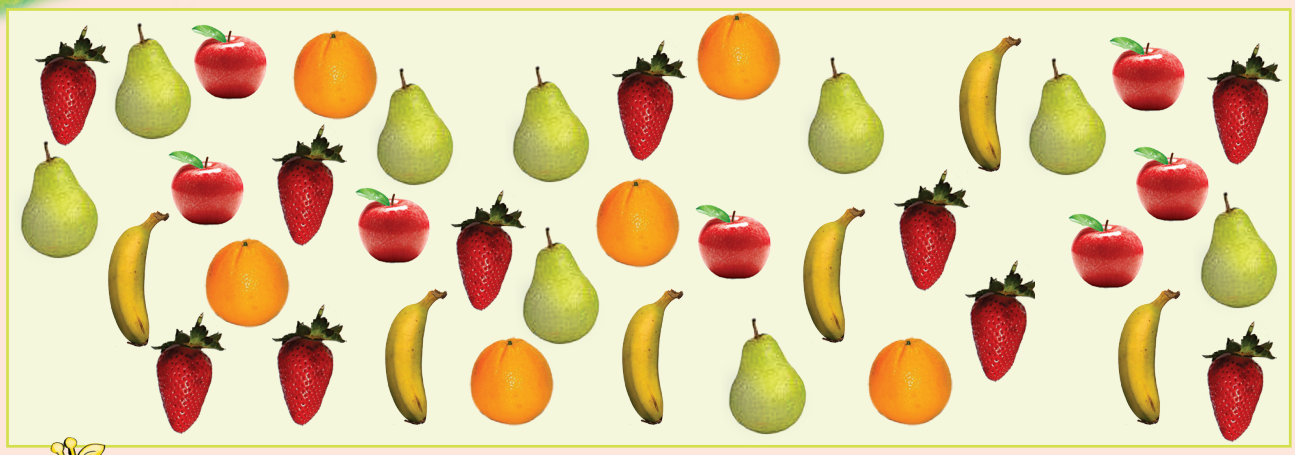
Date:

11 12 13 14 15 16 17 18 19 20

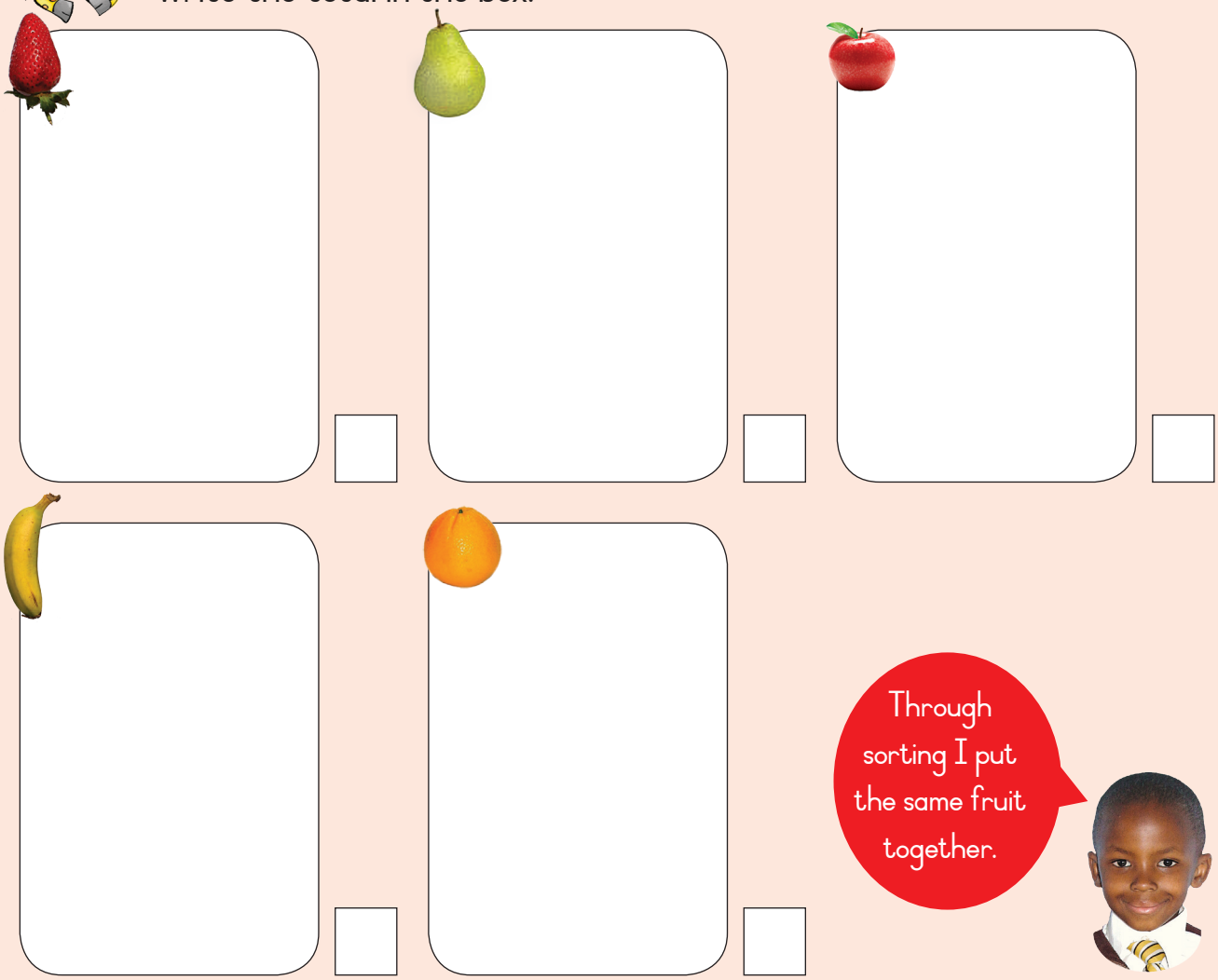
93

Date:

More and more data



Sort the fruit. Make your own drawing to show it.
Write the total in the box.



1 2 3 4 5 6 7 8 9 10

Draw a pictograph of your sorted fruit.

KEY:

Use the information in the pictograph above to complete the bar graph.

Answer the questions:

Which fruit do we have the most of?

Which fruit do we have the least of?

Teacher:

Sign:

Date:

11 12 13 14 15 16 17 18 19 20

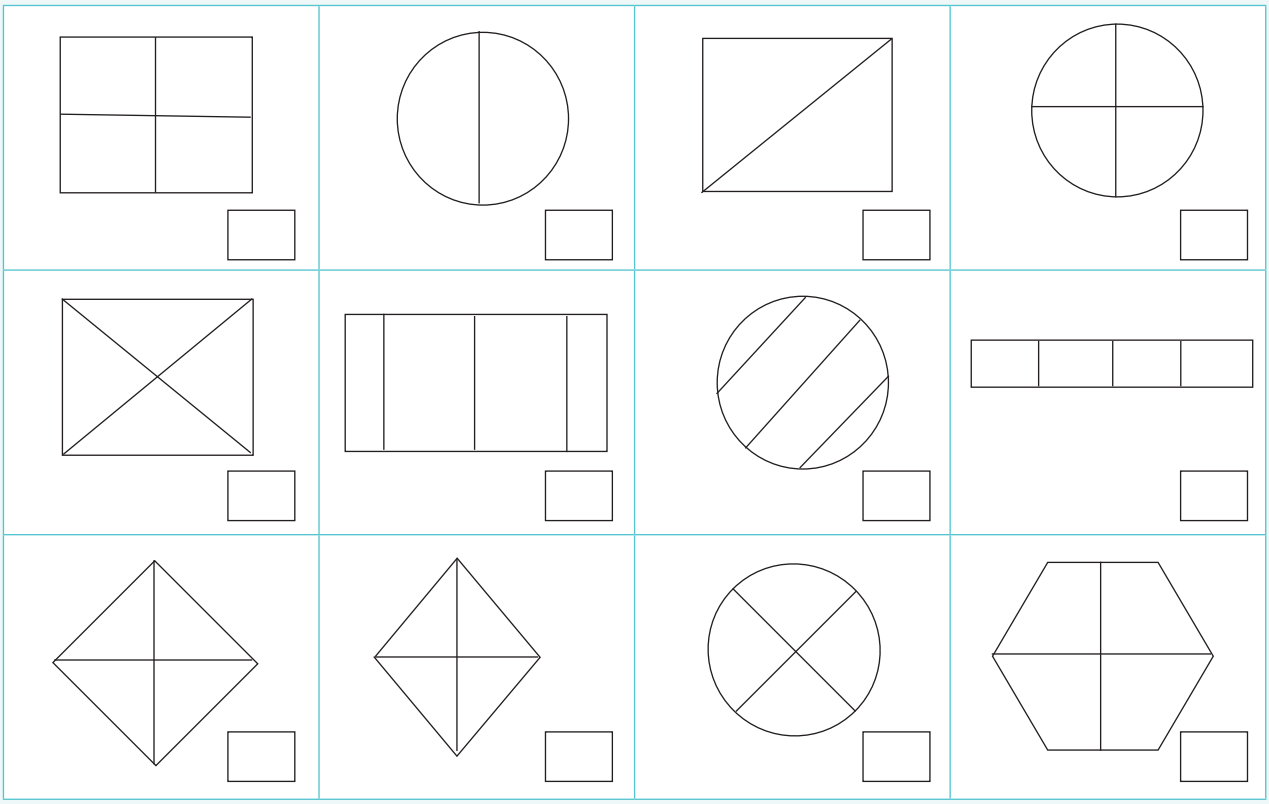
94a

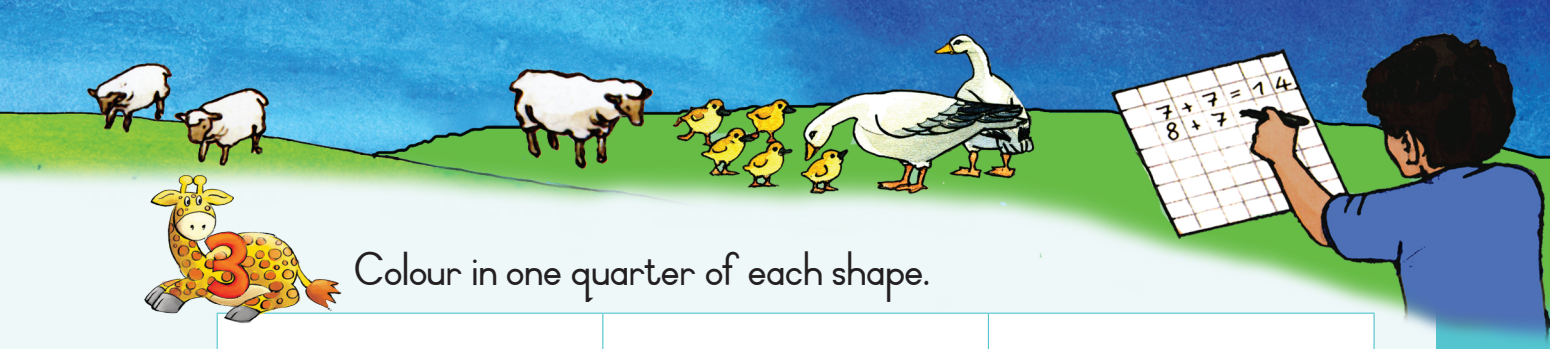
Date:

Fractions – quarters

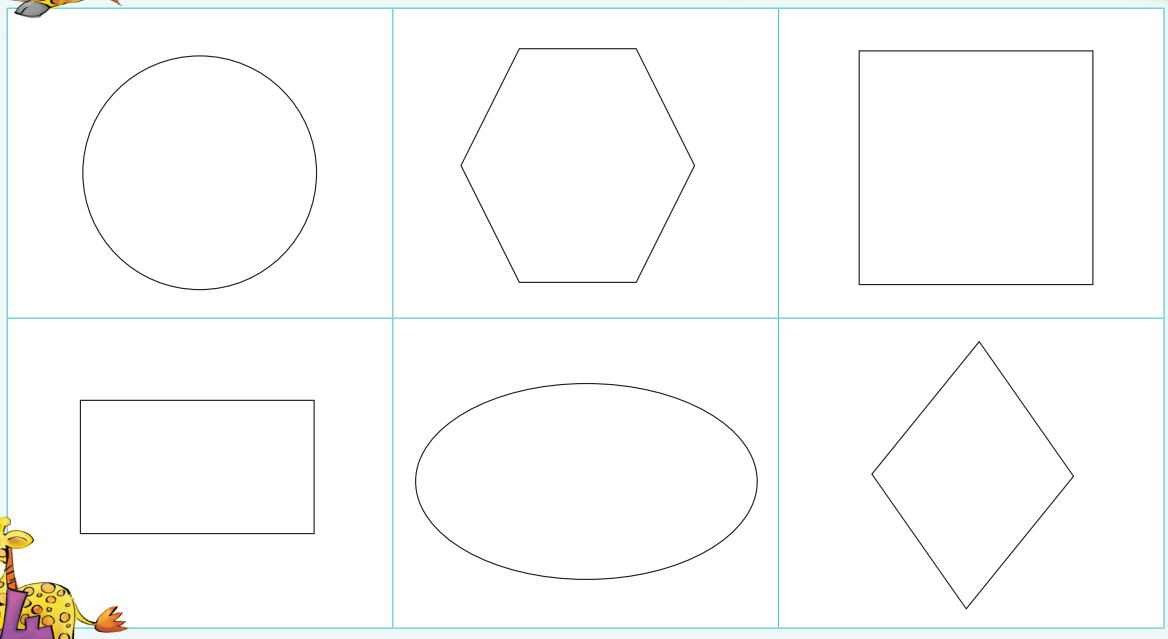
1 Colour the last quarter the same colour.

2 Tick the shapes that show quarters.
Colour one quarter of each shape that is divided into quarters.

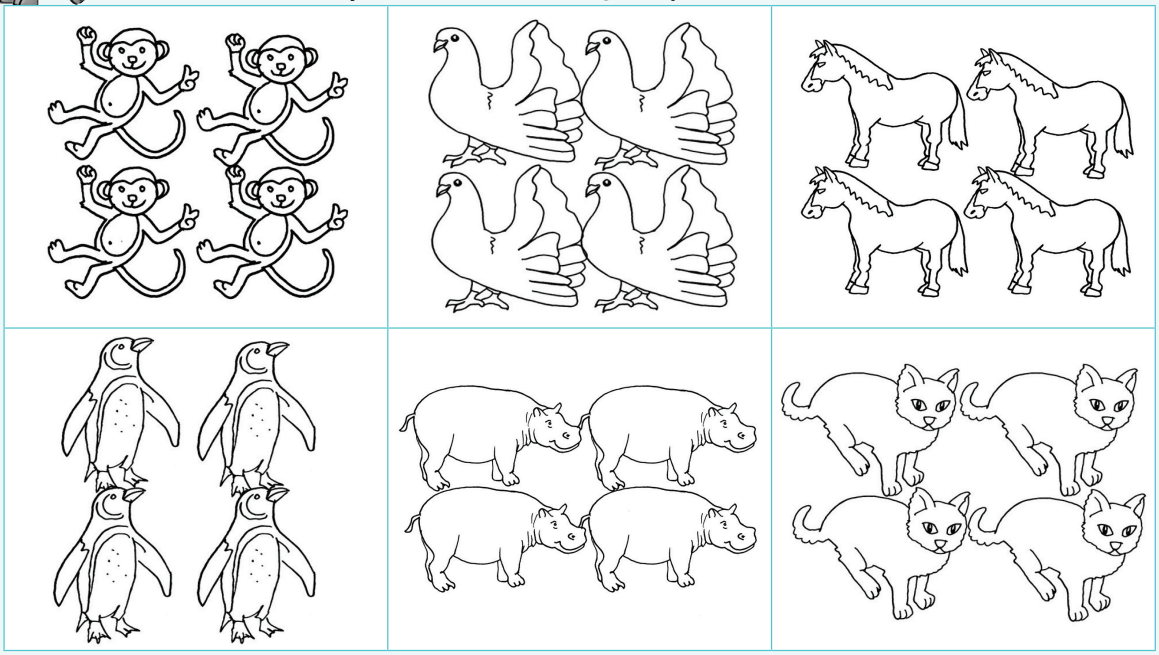




3 Colour in one quarter of each shape.



4 Colour in one quarter of each group of animals.



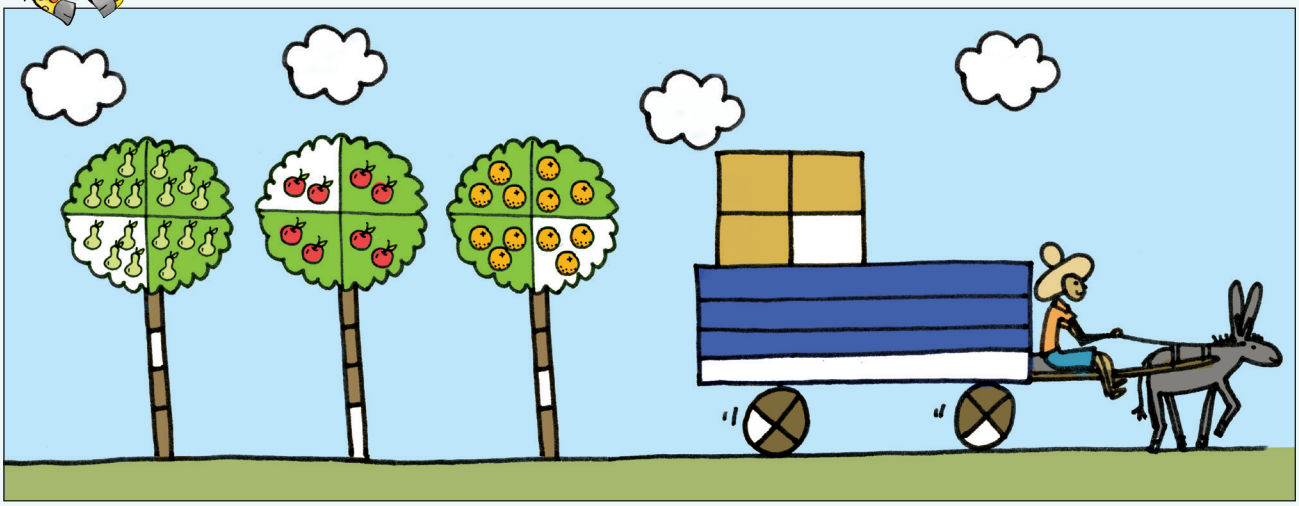
quarter quarter

Teacher:
Sign:
Date:

Date:

Fractions – more quarters

1 Colour the last quarter the same colour.



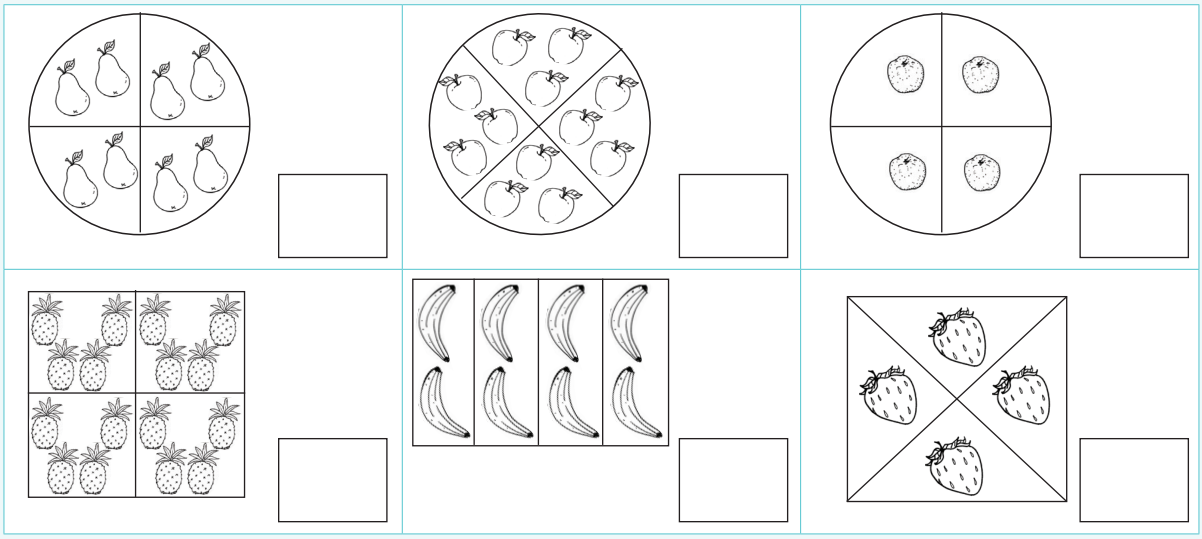
2 Answer the following:

one quarter of the pears on the tree is _____.

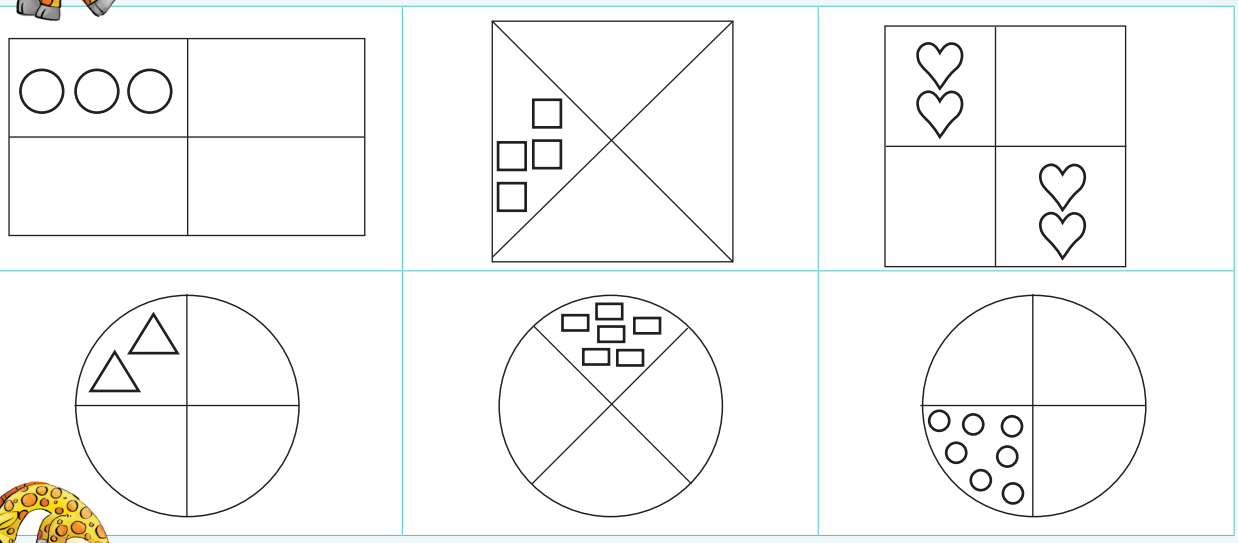
one quarter of the apples on the tree is _____.

one quarter of the oranges on the tree is _____.

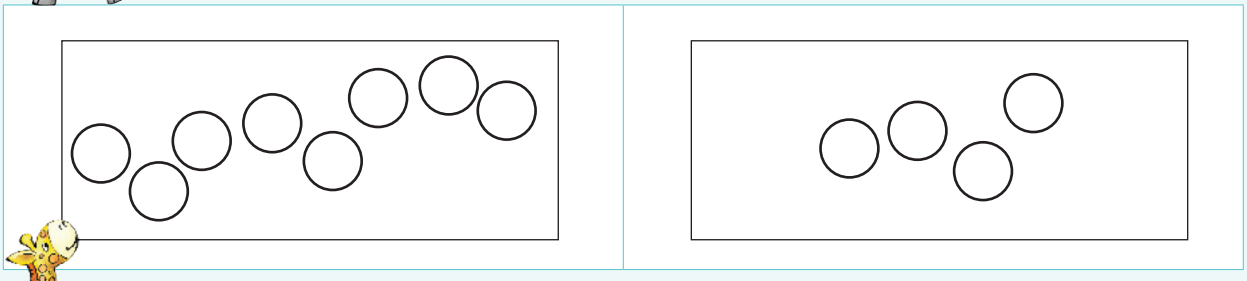
3 Colour in a quarter of the fruit in each group. What is a quarter of the number of the fruit in each group?



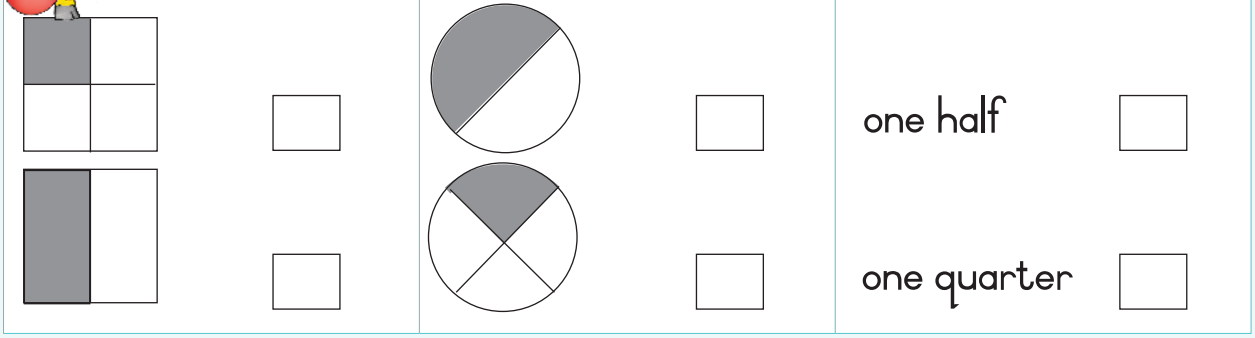
4 Draw more shapes to make each quarter equal.



5 Show one quarter of the shapes.



6 Which is bigger? Tick the correct answer.



quarter quarters

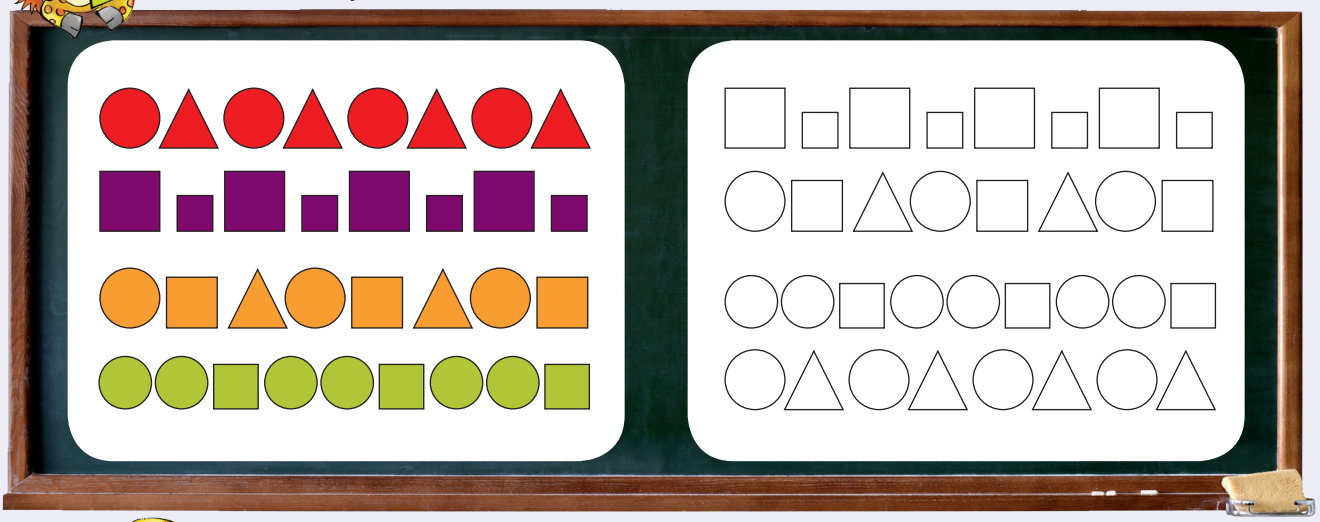
Teacher:
Sign:
Date:

Date:

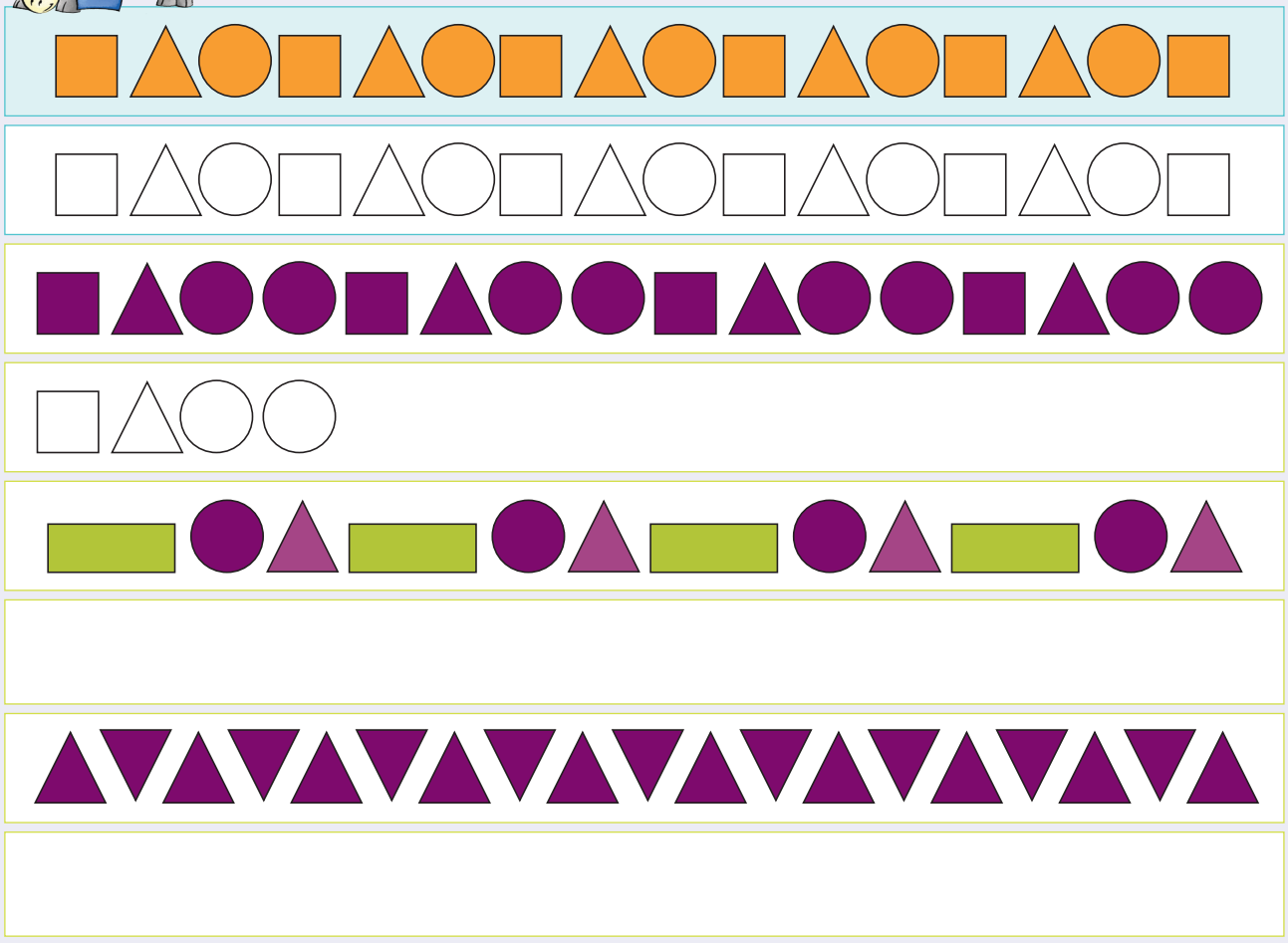
Geometric patterns

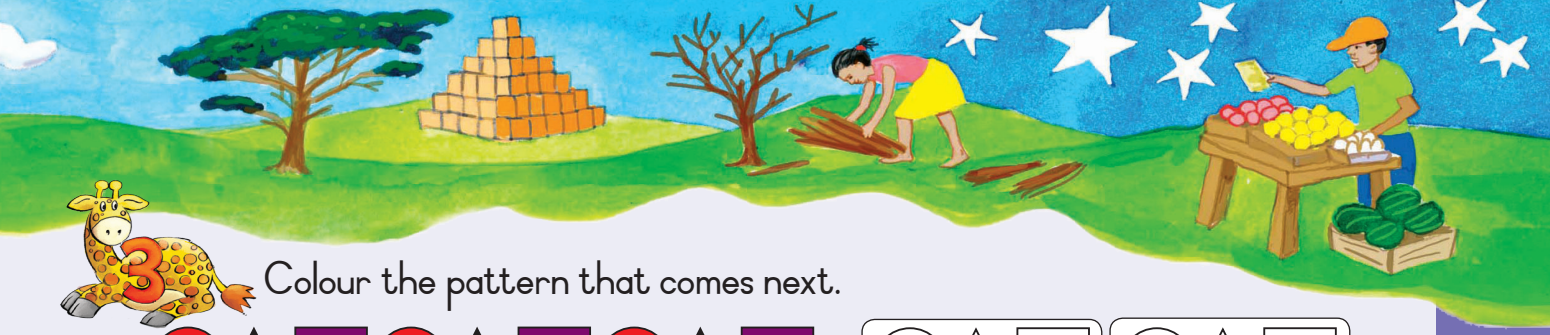
Term 3

1 Match the pattern.



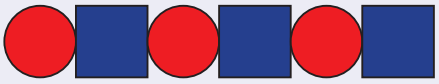
2 Copy the following pattern.



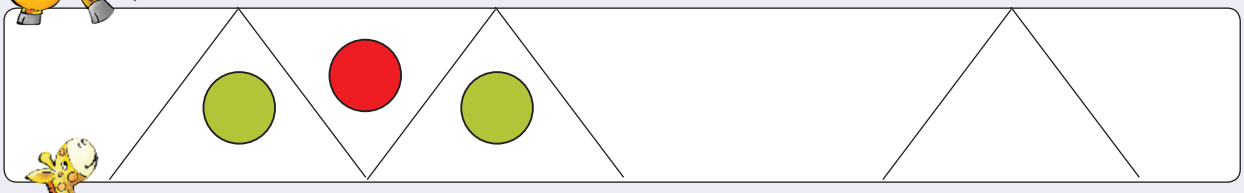


3 Colour the pattern that comes next.

4 Draw the next pattern.



5 Extend the pattern.



6 Draw the next pattern.

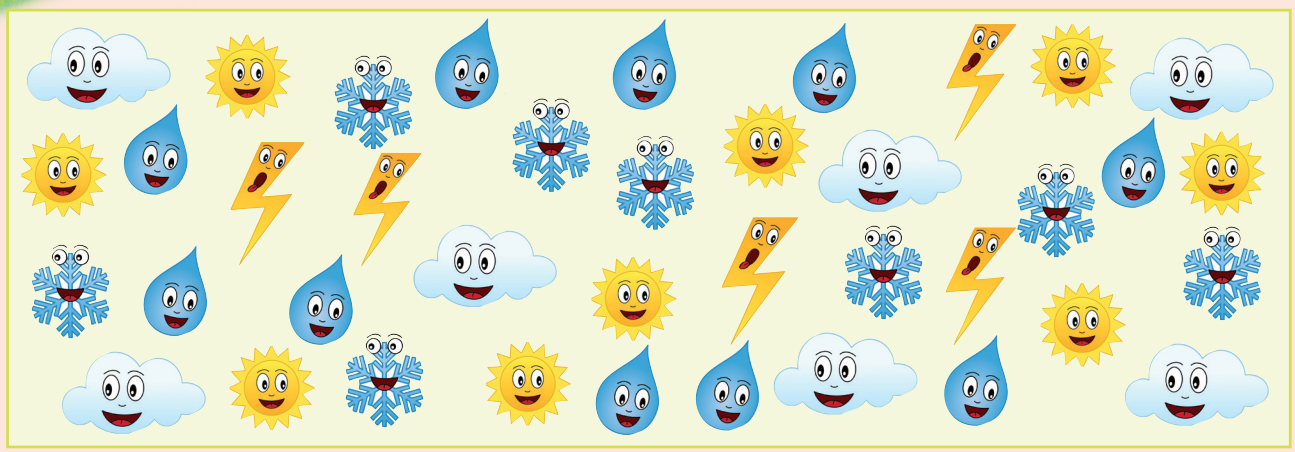
7 Draw your own pattern.

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

Date:

Data sorting



Sort the weather objects. Make your own drawing.
Write the total in the box.

1 2 3 4 5 6 7 8 9 10

Draw a pictograph of your sorted weather conditions.

KEY:

Use the pictograph above to complete the bar graph below. Then answer the following questions.

Did we have more sunny or more cloudy days?

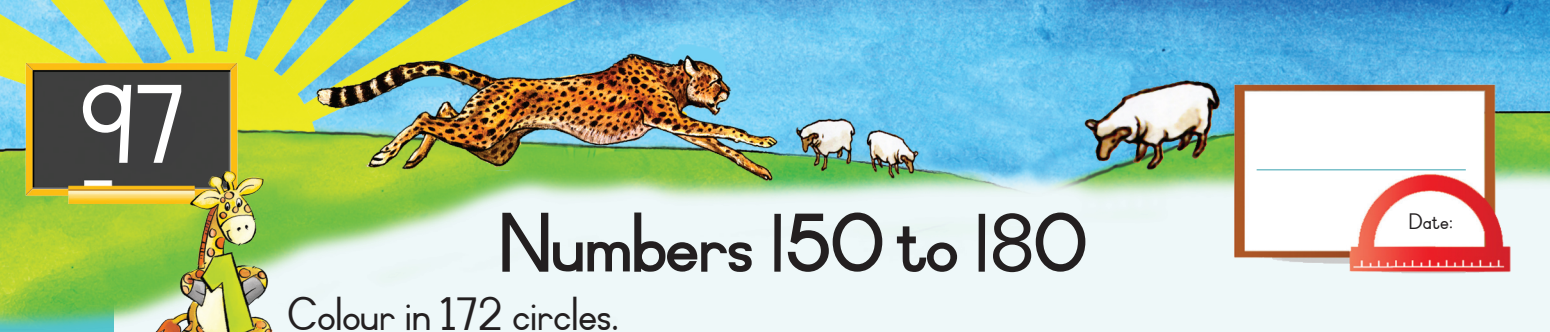
What season do you think is it?

Why?

Will this be the same in all the provinces?

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

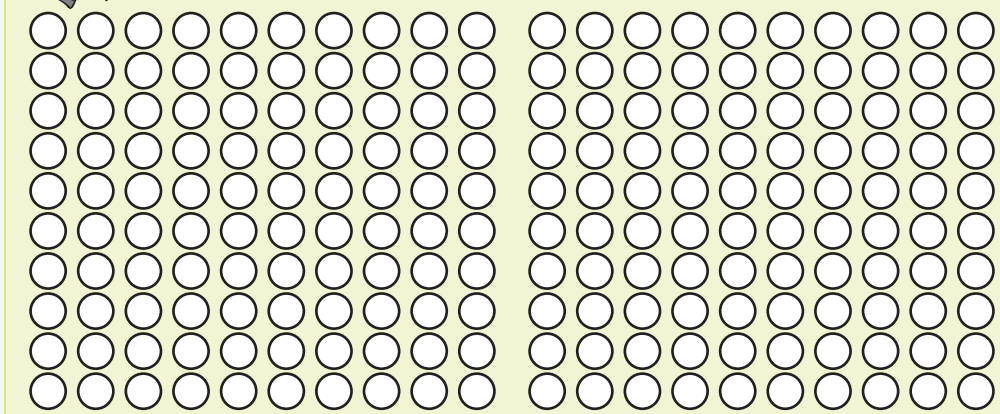


Date:

Numbers 150 to 180

Term 4

Colour in 172 circles.



Write a number sentence for:

100 + 50 + 8 = 158	100 + 50 + 9 =	100 + 70 + 2 =
100 + 50 =	100 + 60 + 7 =	100 + 5 =

Which numbers come between:

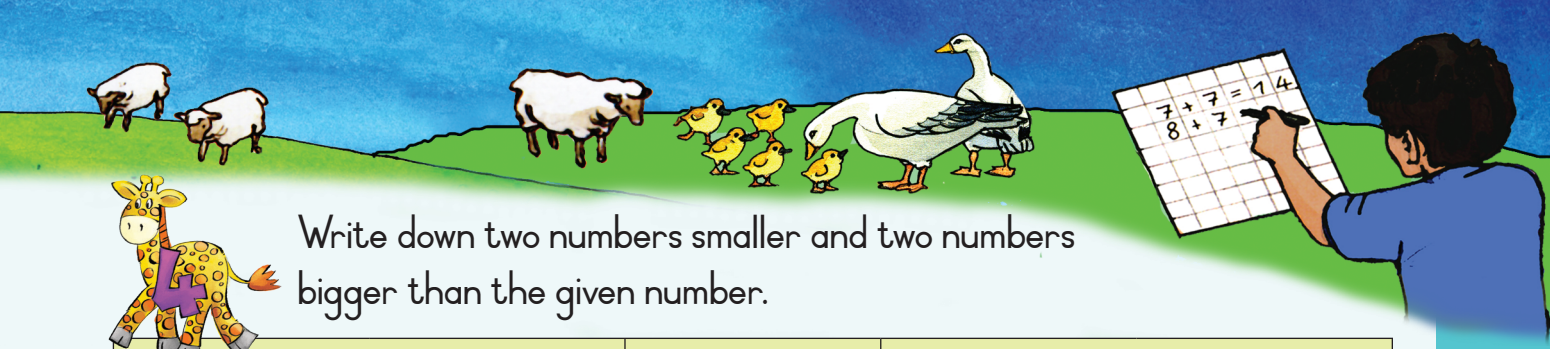
150 and 158 _____

172 and 177 _____

180 and 175 _____

160 and 155 _____

165 and 160 _____



Write down two numbers smaller and two numbers bigger than the given number.

Smaller		Number	Bigger	
		157		
		165		
		178		
		161		
		174		

Complete these number lines.

150 151 ☐ 153 ☐ ☐ 156 ☐ ☐ ☐ 160

180 179 178 ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

166 167 ☐ ☐ ☐ ☐ 172 ☐ ☐ 175 176

Cut three numbers between 150 and 180 from a magazine or newspaper. Paste them here from biggest to smallest.

Teacher:
Sign:
Date:

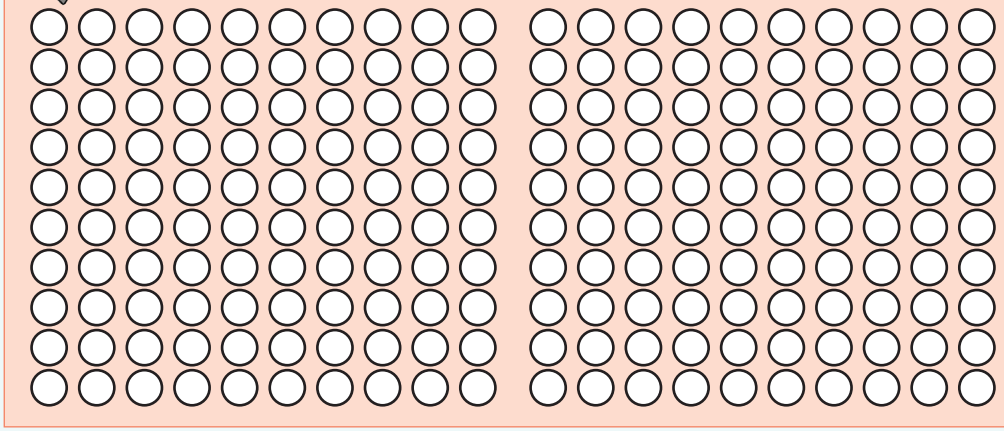
11 12 13 14 15 16 17 18 19 20

Date:

Numbers 170 to 200

Term 4

1 Colour in 199 circles.



1 0 0
9 0
9

2 Write a number sentence for:

1 0 0 + 7 0 + 7 100 + 70 + 7 = 177	1 0 0 + 9 0 + 3 =	1 0 0 + 8 0 + 1 =
1 0 0 + 9 0 + 5 =	1 0 0 + 9 0 + 9 =	1 0 0 + 7 0 + 9 =

3 Which numbers come between:

170 and 175 _____

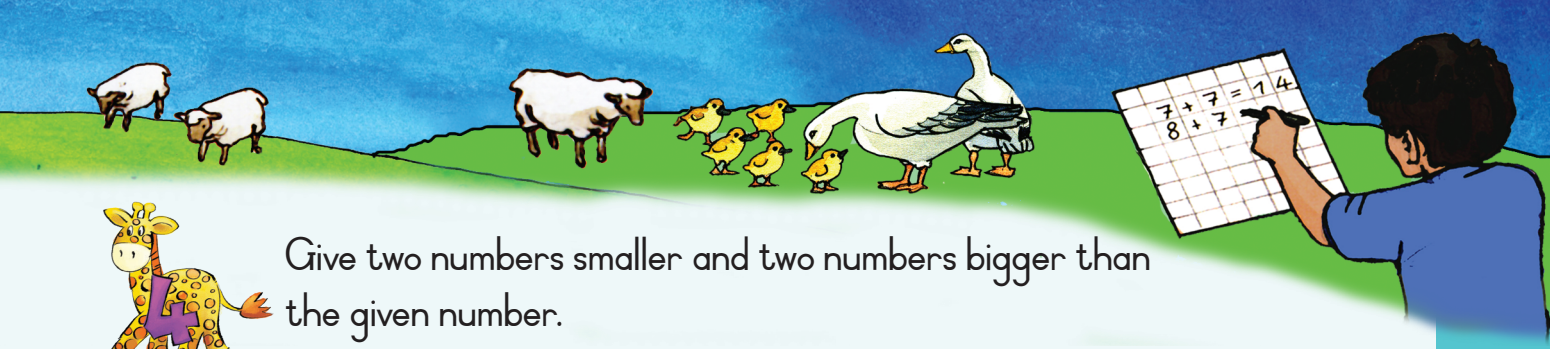
198 and 195 _____

180 and 175 _____

168 and 173 _____

200 and 196 _____

1 2 3 4 5 6 7 8 9 10



4 Give two numbers smaller and two numbers bigger than the given number.

Smaller		Number	Bigger	
		170		
		198		
		185		
		174		
		181		

5 Complete the number lines.

170 171 172 ☐ ☐ ☐ ☐ ☐ ☐ ☐ 180

175 176 177 ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

190 ☐ 192 193 194 ☐ ☐ ☐ ☐ 199 200

6 Cut three numbers between 170 and 200 from a magazine or newspaper. Paste them here from biggest to smallest.

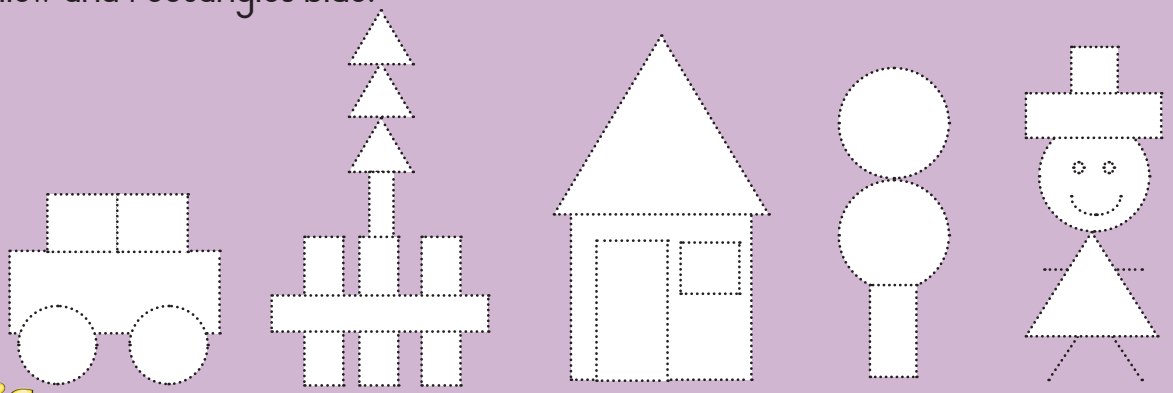
Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

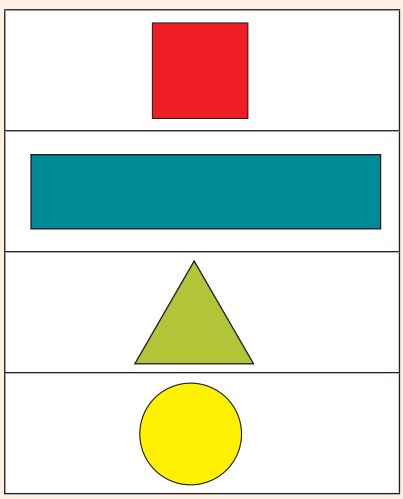
Date:

2-D shapes

Trace all the shapes. Colour all the circles red, triangles green, squares yellow and rectangles blue.



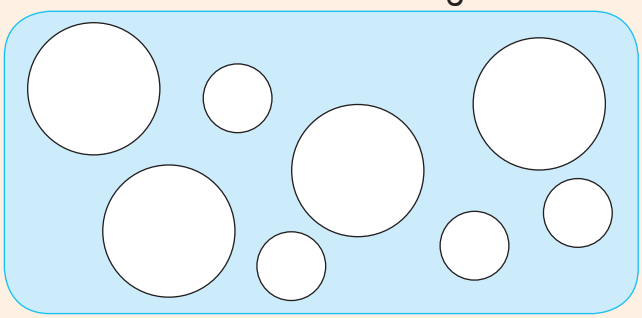
Match the word with the shape.



triangle
circle
square
rectangle

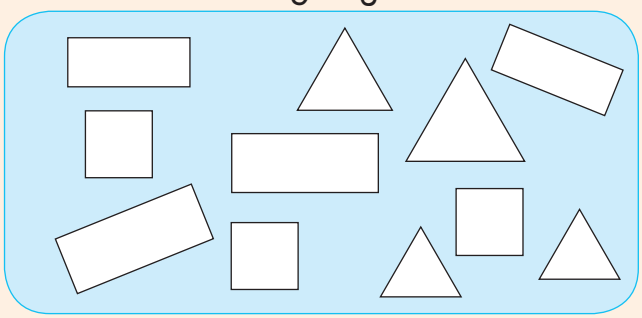
Colour:

- Big circles red
- Small circles yellow

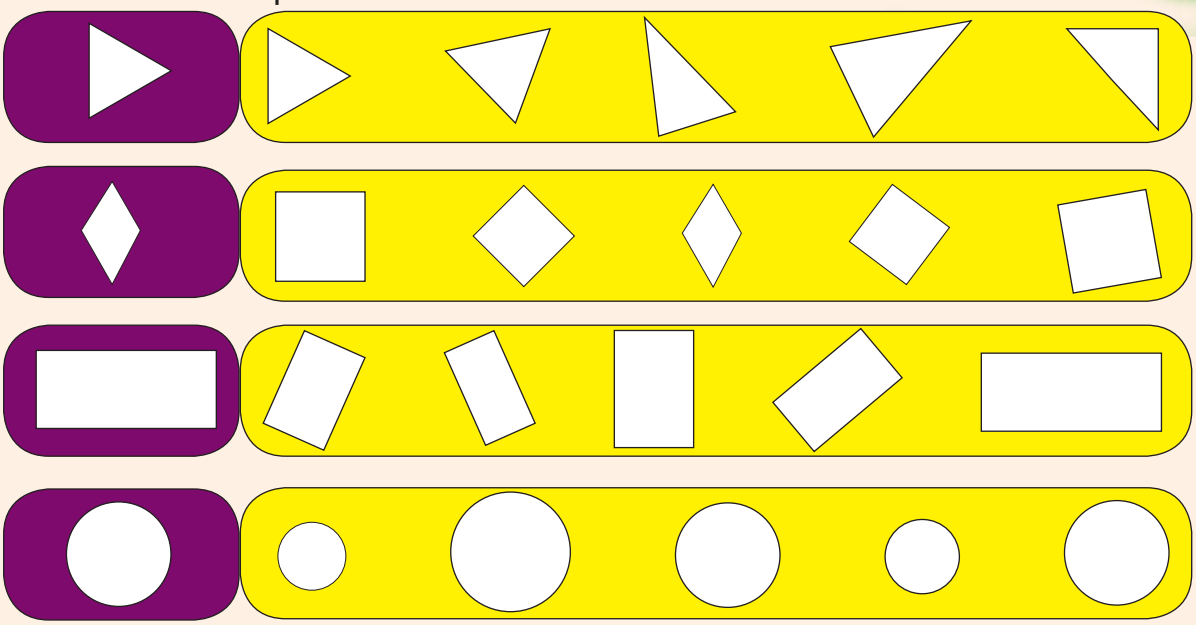


Colour:

- Big rectangles red
- Small rectangles yellow



Colour the shapes that match the first shape in the row.



Draw your own picture using only squares, rectangles, triangles and circles.

Cut out from old paper and make your own picture using squares, rectangles, circles and triangles.

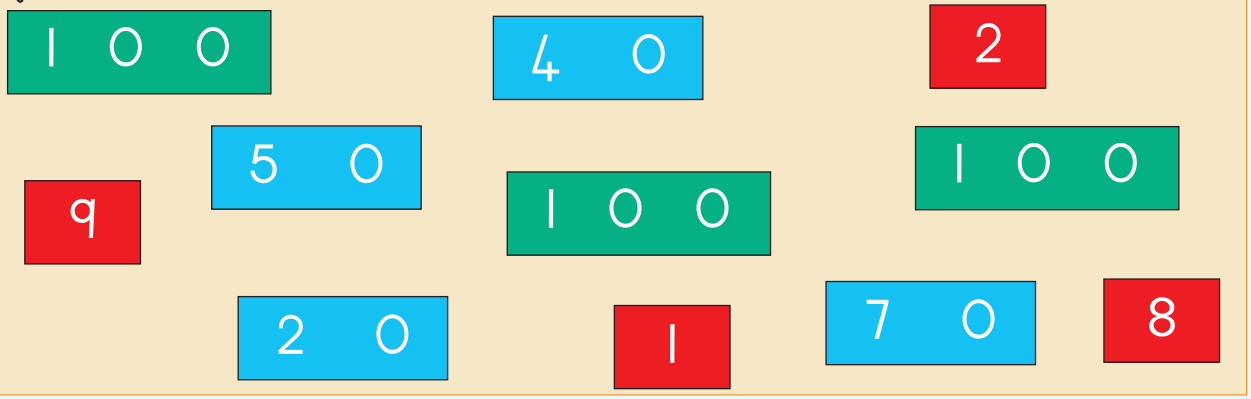
Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

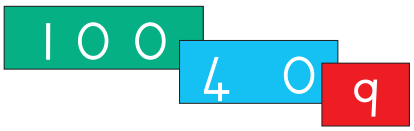
Date:

Numbers 0 to 200

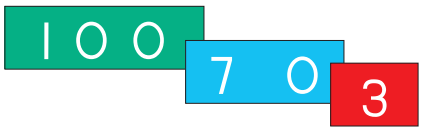
1 How many different numbers can you make?



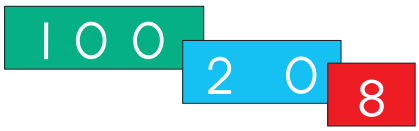
2 Complete the following.



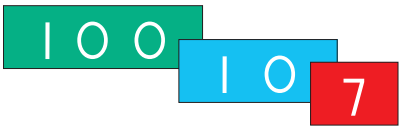
100 + 40 + 9 = ☐



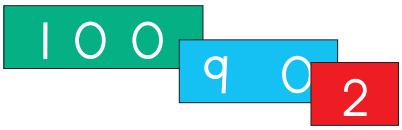
100 + 70 + 3 = ☐



100 + 20 + 8 = ☐



100 + 10 + 7 = ☐



100 + 90 + 2 = ☐

3 Fill in the empty boxes using hundreds, tens and units to complete the sums.

181 = ☐ + ☐ + ☐

144 = ☐ + ☐ + ☐

135 = ☐ + ☐ + ☐

156 = ☐ + ☐ + ☐

169 = ☐ + ☐ + ☐

Add the following:

60 + 4 = ☐

90 + 8 = ☐

40 + 7 = ☐

30 + 6 = ☐

50 + 2 = ☐

100 + 20 + 3 = ☐

100 + 40 + 9 = ☐

100 + 70 + 8 = ☐

100 + 60 + 1 = ☐

100 + 50 + 5 = ☐

Fill in the missing number:

70 + ☐ = 71

30 + ☐ = 38

60 + ☐ = 69

20 + ☐ = 24

80 + ☐ = 85

100 + ☐ + 3 = 153

100 + ☐ + 9 = 169

☐ + 70 + 8 = 178

100 + ☐ + 1 = 191

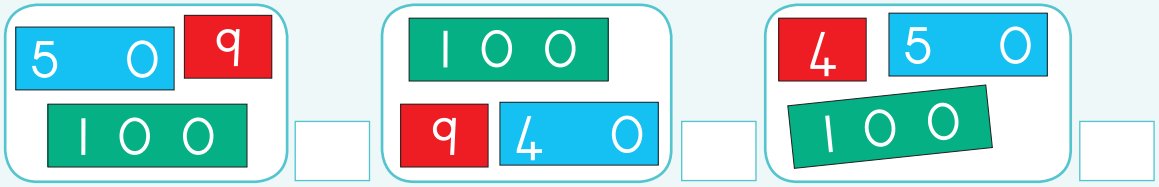
100 + 50 + ☐ = 157

Make your own sums using hundreds, tens and units.

☐ + ☐ + ☐ = ☐

☐ + ☐ + ☐ = ☐

What number is the biggest (B)? What number is the smallest (S)?



Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

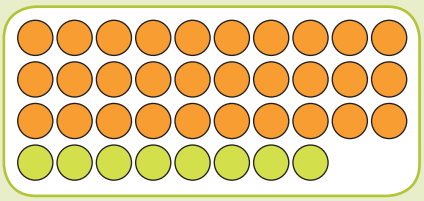
101

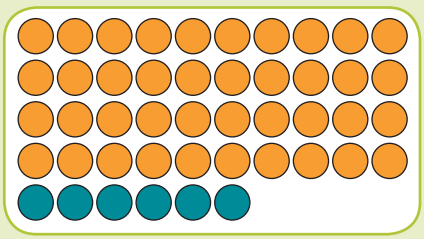
Date:

Addition and subtraction

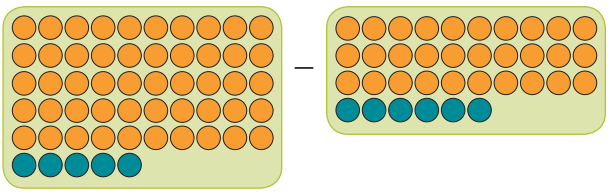
Look at the number board and beads. Talk about it.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

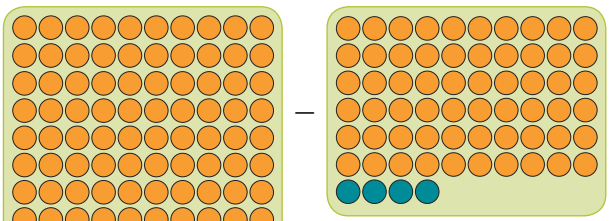




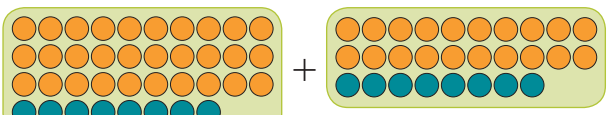
2 Add or subtract the beads.



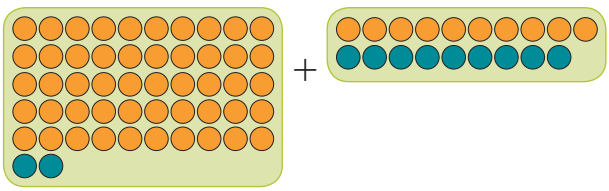
50 5 − 30 6
= 40 + 15 − 30 − 6
= 10 + 9
= 19



= + − −
= + − −
= +
=

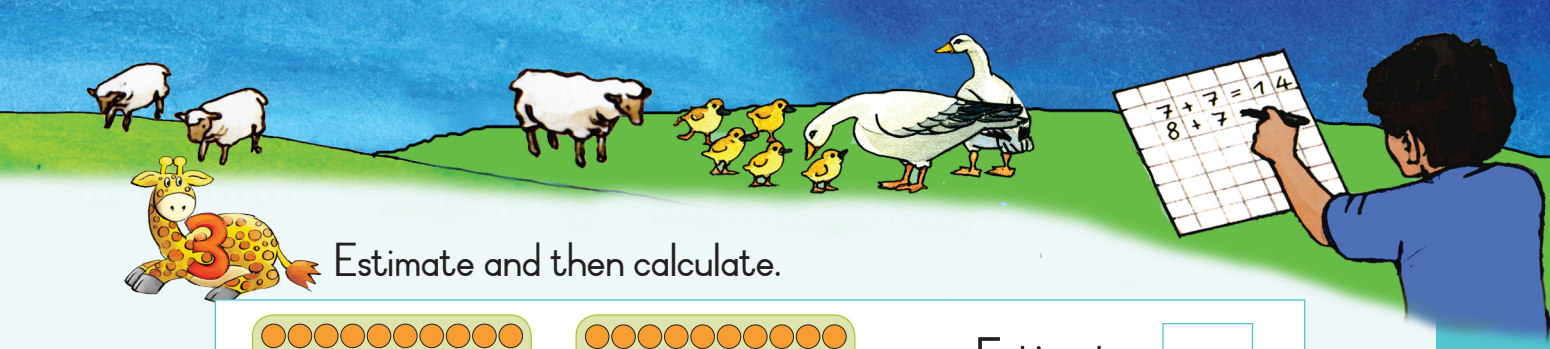


+ +
= + +
= + + +
= +
=

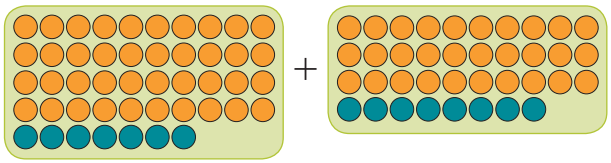


+ +
= + +
= +
=

1 2 3 4 5 6 7 8 9 10

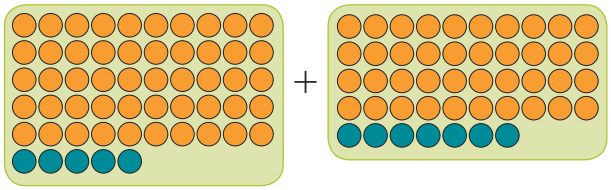


3 Estimate and then calculate.



Estimate ☐

Calculate ☐



Estimate ☐

Calculate ☐

4 Calculate using your own method.

53 + 39	92 – 48

5

Add 39 and 29. ☐

What is 43 less 19? ☐

Subtract 45 from 74. ☐

What is 82 take away 69? ☐

Teacher:
Sign:
Date:

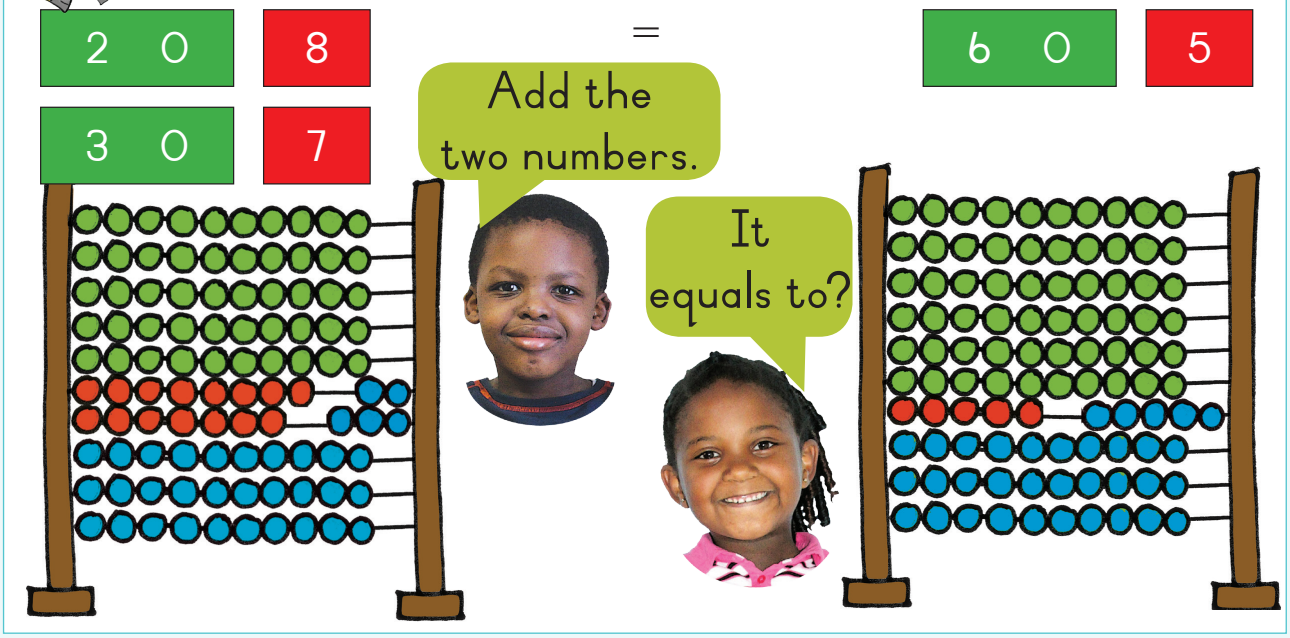
11 12 13 14 15 16 17 18 19 20

102

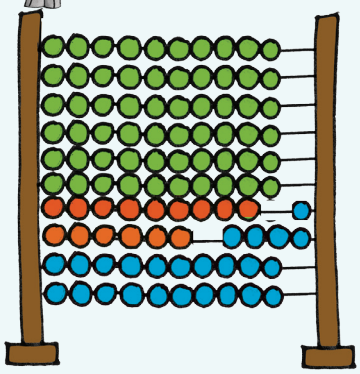
Date:

Addition and subtraction again

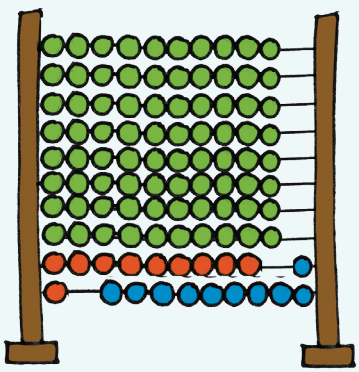
Look at the abacuses on the left and right. What do you see?



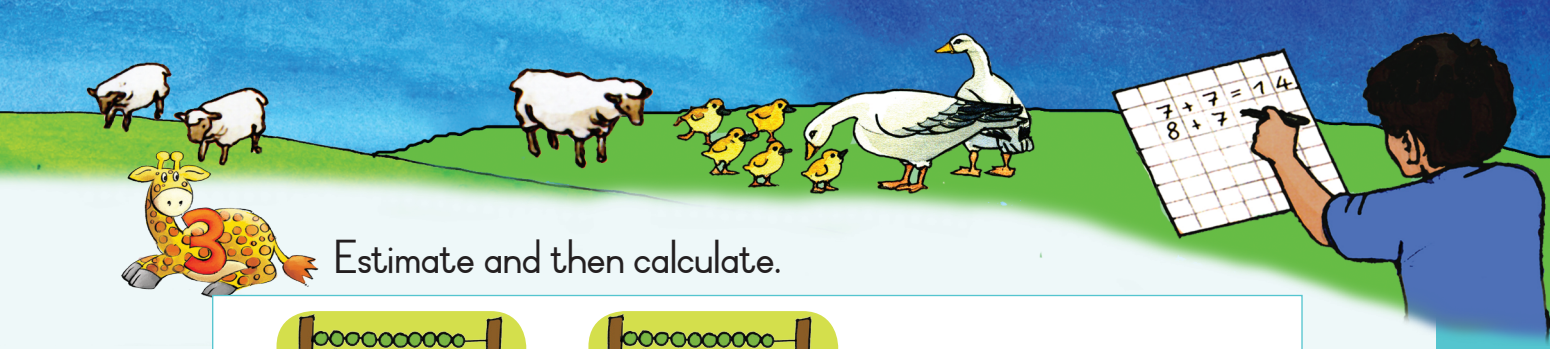
Write an addition and subtraction sum. Calculate it.



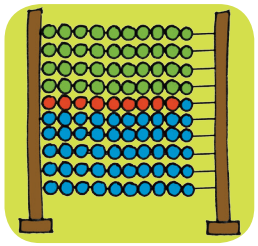
Addition sum	Subtraction sum



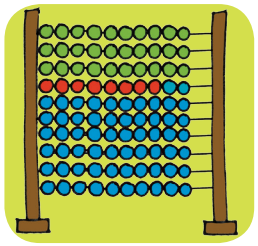
Addition sum	Subtraction sum



3 Estimate and then calculate.

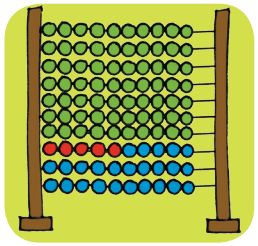


+

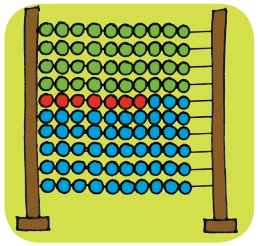


Estimate ☐

Calculate ☐



−



Estimate ☐

Calculate ☐

4 Calculate using your own method.

58 + 35	34 − 26

5 What is 74 and 19?

The sum of 46 and 27.

Take away 34 from 72.

The difference between 81 and 36.

Teacher:

Sign:

Date:

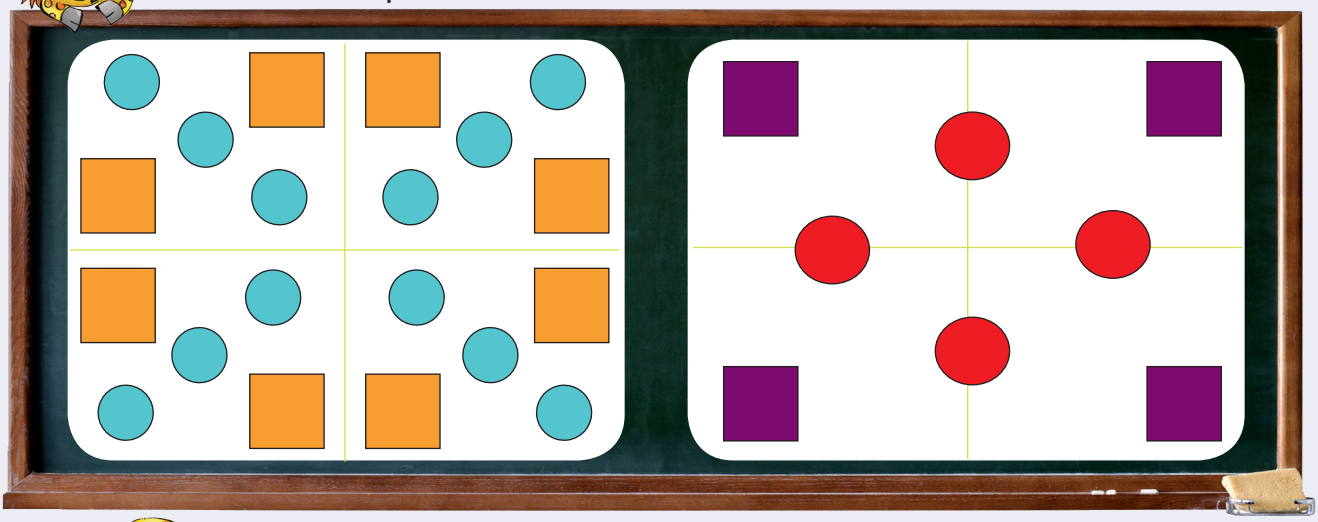
11 12 13 14 15 16 17 18 19 20

103

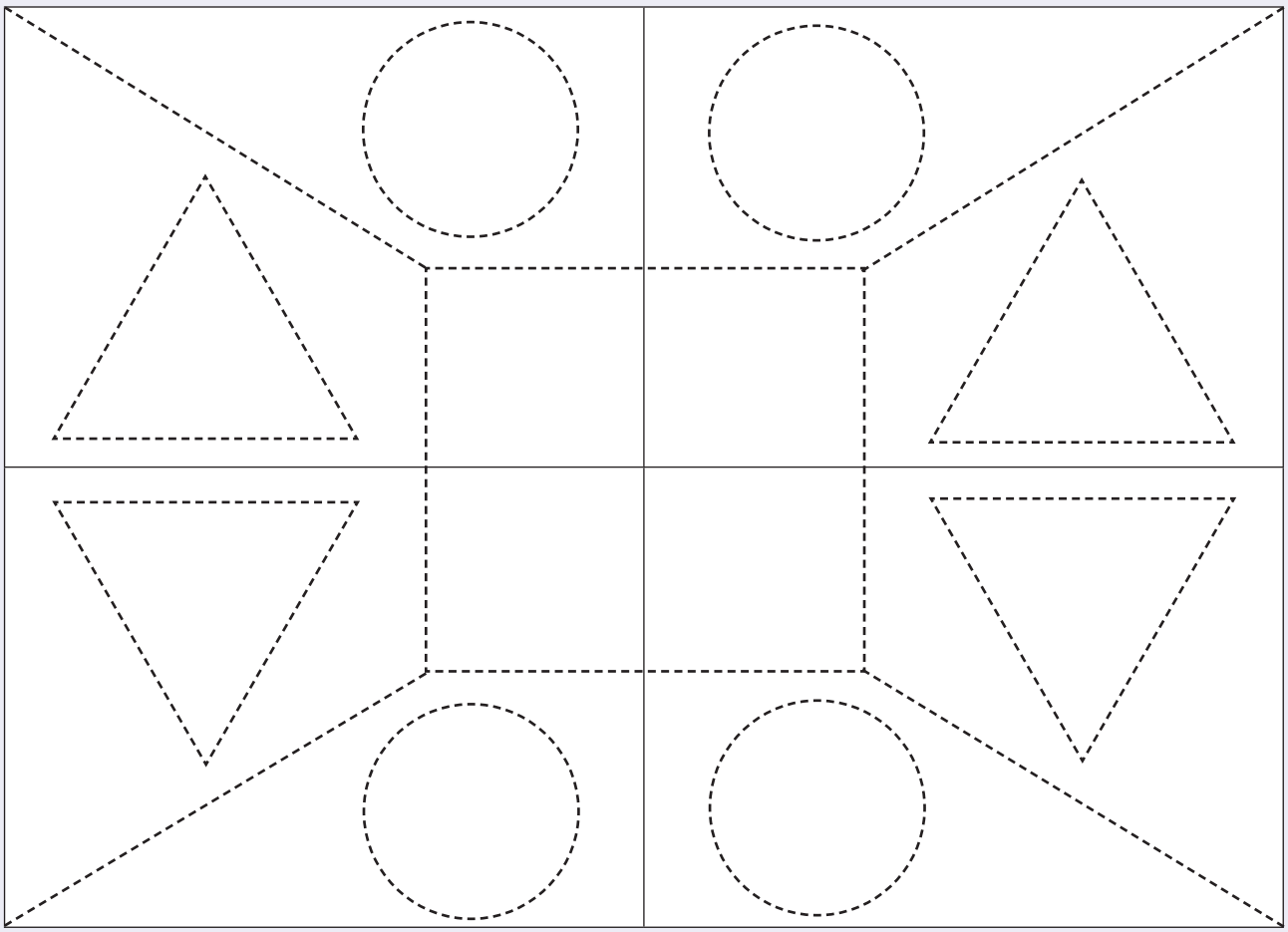
Date:

Shape patterns

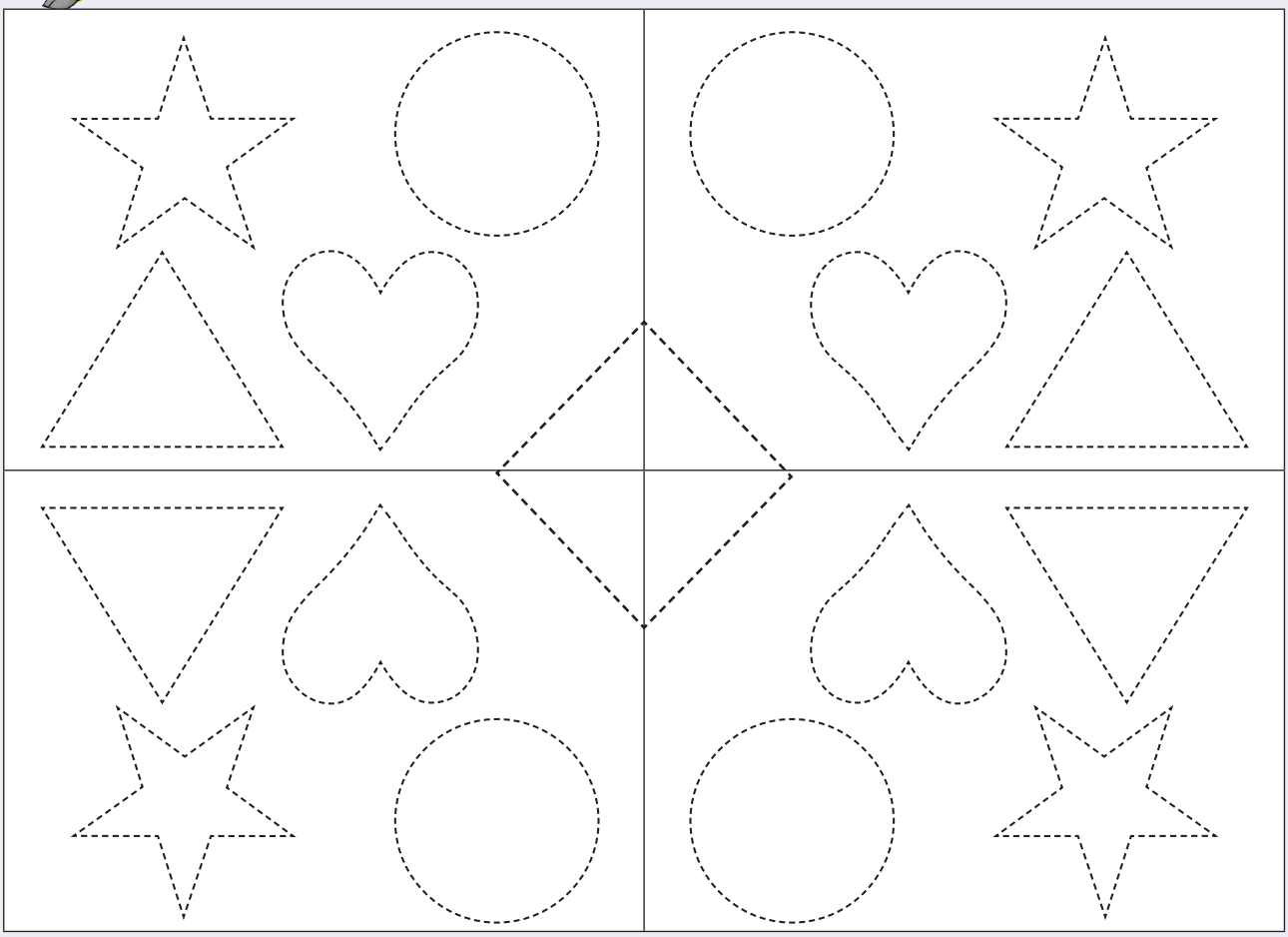
Describe the pattern.



Trace the pattern and then colour it.



Trace the pattern and then colour it.



Create your own pattern using shapes.

Teacher:

Sign:

Date:

11 12 13 14 15 16 17 18 19 20

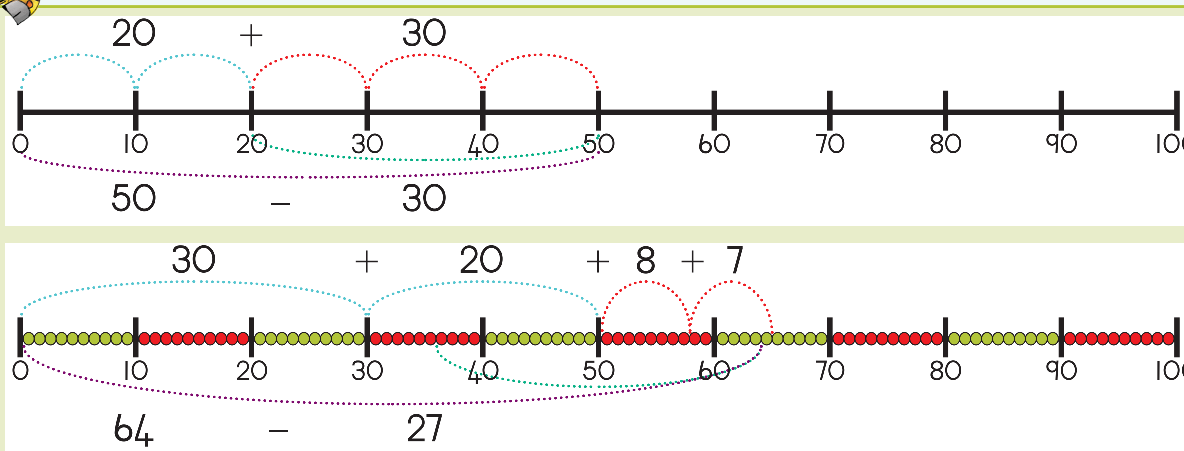
104

Term 4

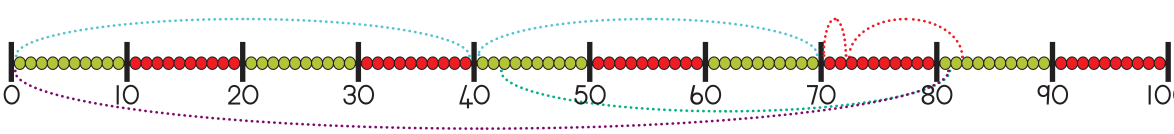
More addition and subtraction

Date:

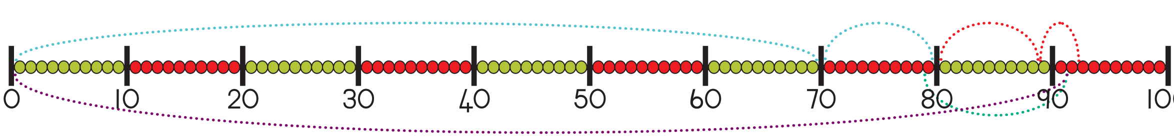
1. Look at the number lines. Talk about them.



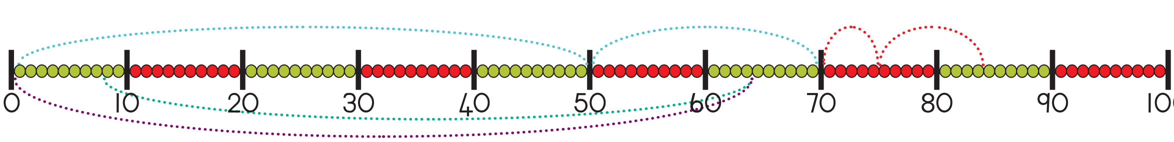
2. Write an addition and subtraction sum using the number line.



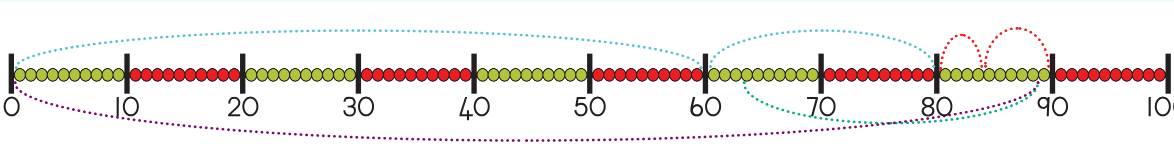
Addition sum: ____________________ Subtraction sum: ____________________



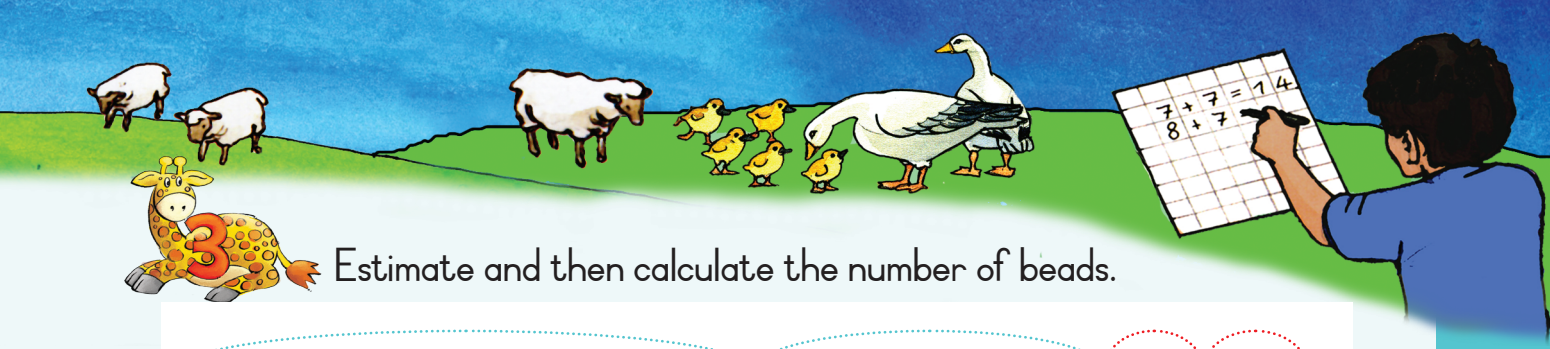
Addition sum: ____________________ Subtraction sum: ____________________



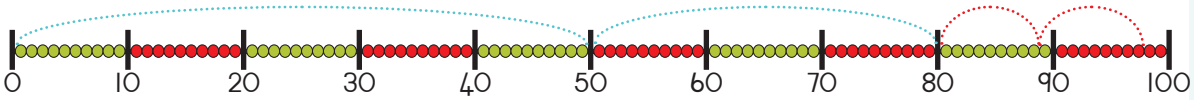
Addition sum: ____________________ Subtraction sum: ____________________



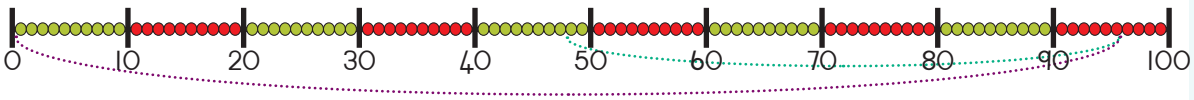
Addition sum: ____________________ Subtraction sum: ____________________



3 Estimate and then calculate the number of beads.



Estimate: _____ Calculate: _____



Estimate: _____ Calculate: _____

4 Calculate using your own method.

74 + 18	72 – 43

5

What is 82 and 9?

The sum of 79 and 13.

Take away 44 from 52.

The difference between 98 and 59.

Teacher:
Sign:
Date:

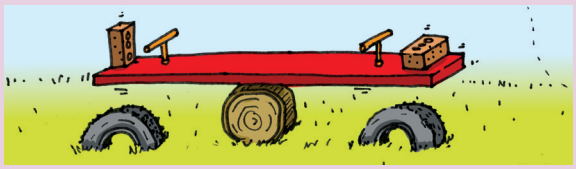
11 12 13 14 15 16 17 18 19 20

Date:

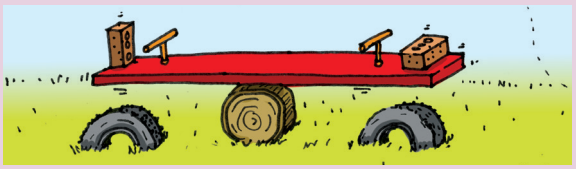
Even more addition and subtraction

Make the sides equal.

$10 + 4 + 5$ $9 +$ ☐ $+$ ☐



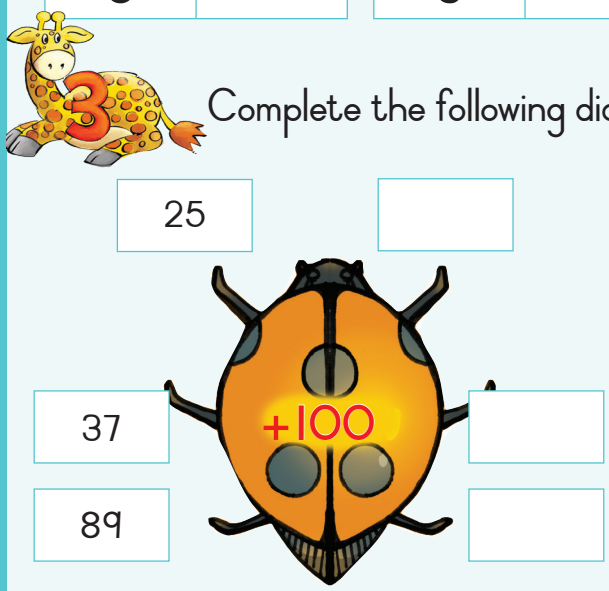
$90 - 50$ ☐ $- 20$

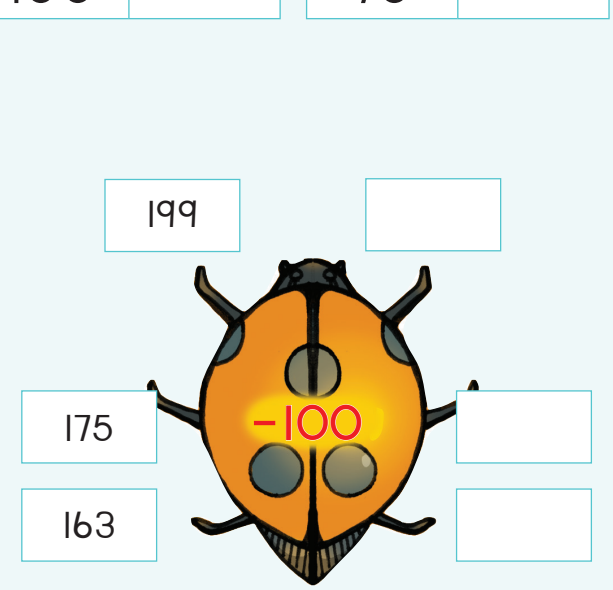


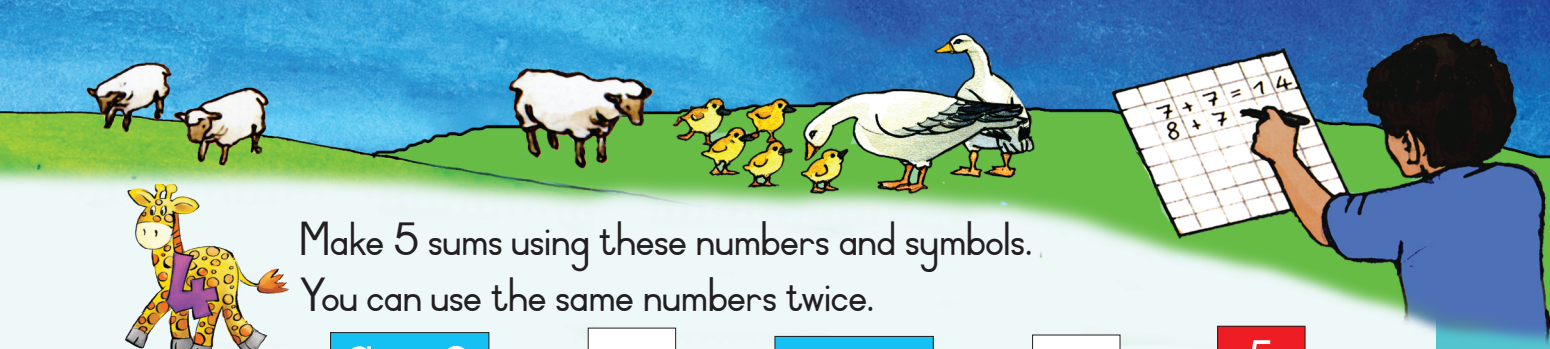
Complete the following.

1 more		1 less		10 more		10 less	
6	7	4	3	40	50	40	30
5		8		10		150	
3		10		60		20	
9		9		70		110	
2		2		20		200	
7		7		80		60	
4		6		30		180	
8		3		100		70	

Complete the following diagrams.



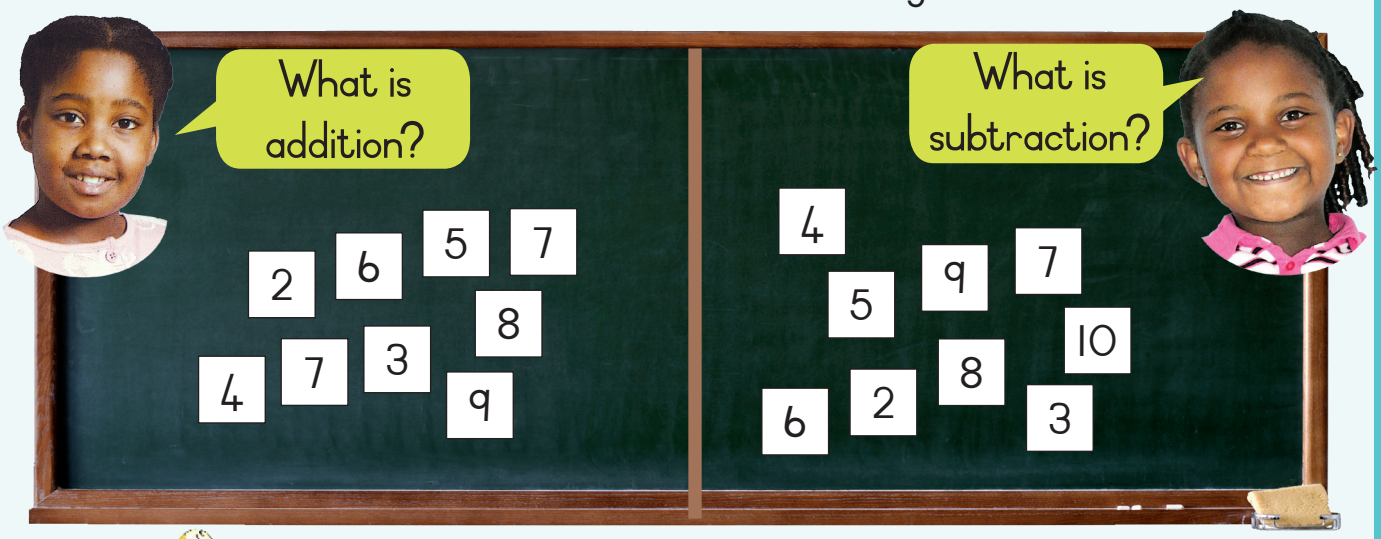




Make 5 sums using these numbers and symbols.
You can use the same numbers twice.

90	–	20	+	5
100	4	3	30	

Look at the numbers and make as many addition or subtraction sums that has an answer written on the board, e.g. 3 + 4 = 7.



Calculate the following using your own method.
Show all your calculations.

48 + 36	85 – 59

Solve the word sum. Make a drawing to show your answer.

I saved R42 and my father gave me R29. How much money do I have?	I have R78 and I bought stationary for R34. How much money do I have left?

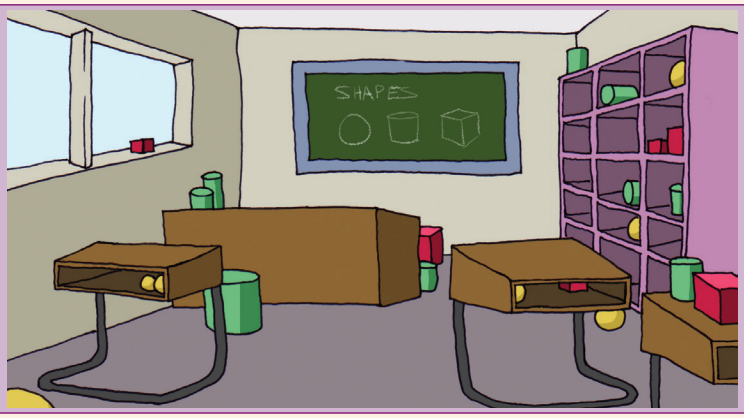
Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

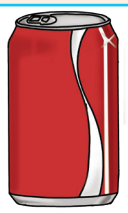
Date:

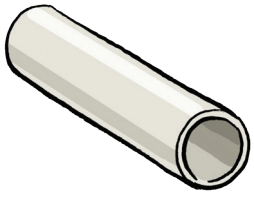
3-D objects

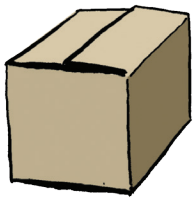
Where are the boxes, balls and cylinders?



1 Say if it is a box, ball or a cylinder.



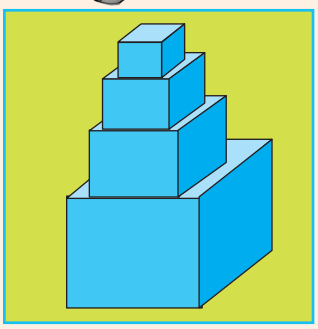


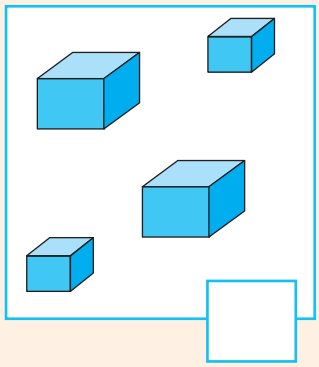


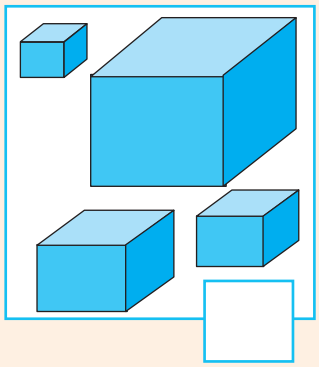
2 Find pictures of the following and paste it here.

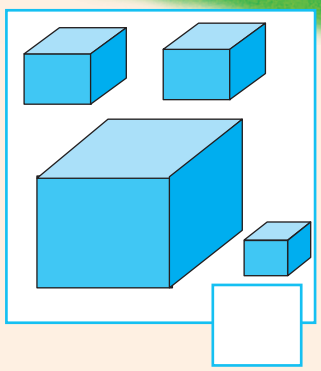
Ball	Box	Cylinder

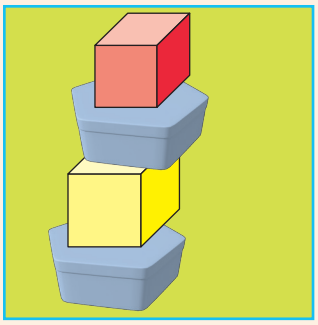
Tick the correct set of objects you used to build the tower on the left.

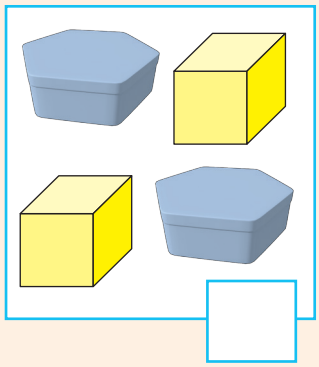


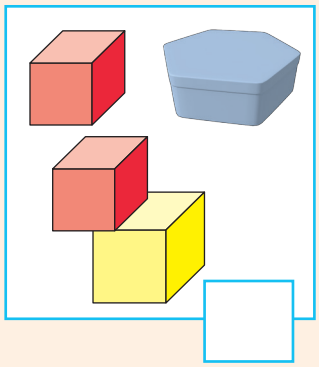


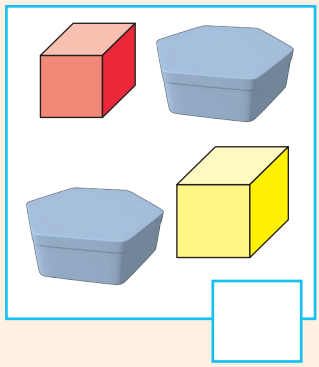




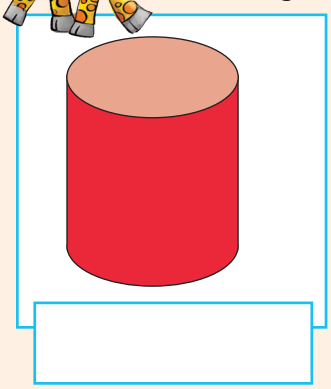


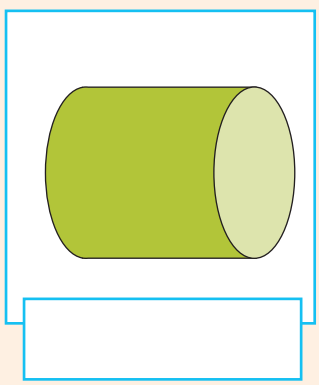


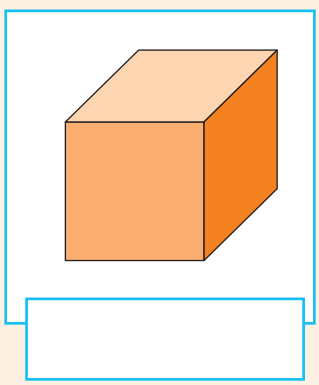


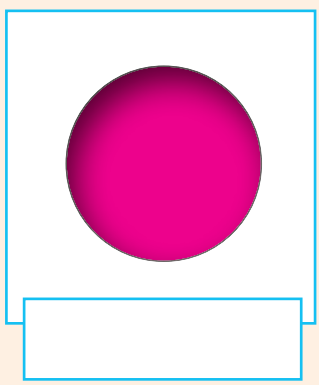


Say if the following will roll or slide.









In your house or any place around your house what looks like a:

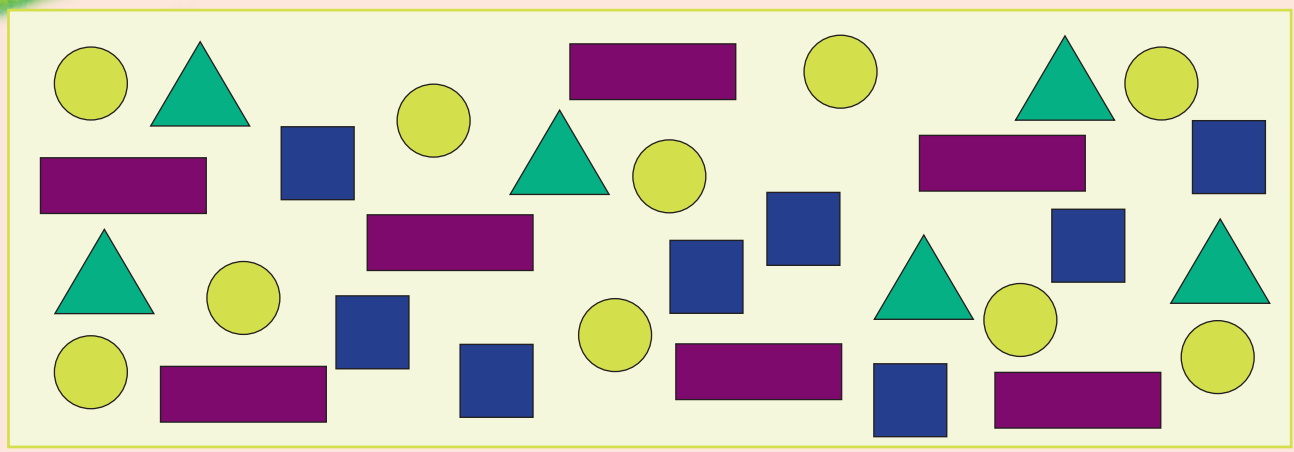
- Cylinder
- Ball
- Box

Teacher:
Sign:
Date:

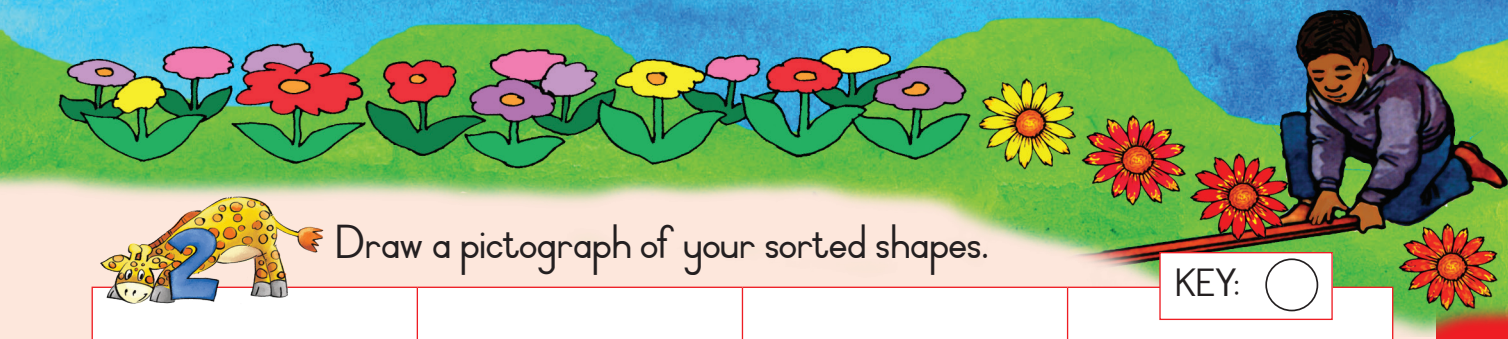
11 12 13 14 15 16 17 18 19 20

Date:

Even more data



Sort the shapes. Make your own drawing. Write the total in the box.



Draw a pictograph of your sorted shapes.

KEY: ◯

●	■	▬	▲

Colour the blocks to complete your bar graph.

●	■	▬	▲

How many circles are there? ☐

How many squares are there? ☐

How many rectangles are there? ☐

How many triangles are there? ☐

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

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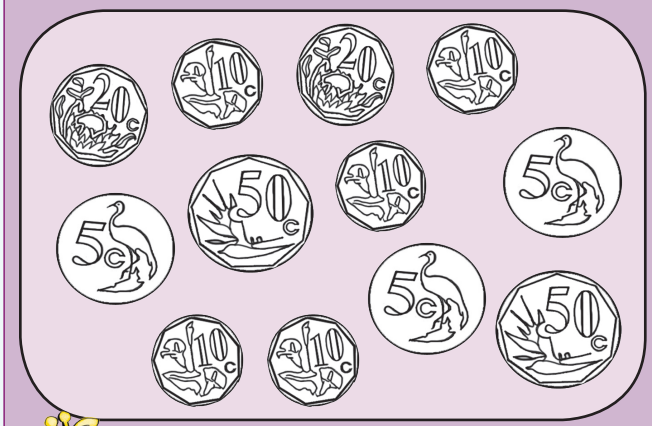
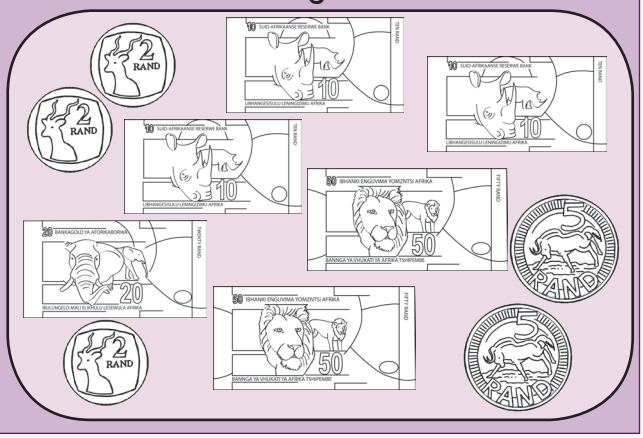
Date:

Calculating money

Colour the coins that will make 95c.



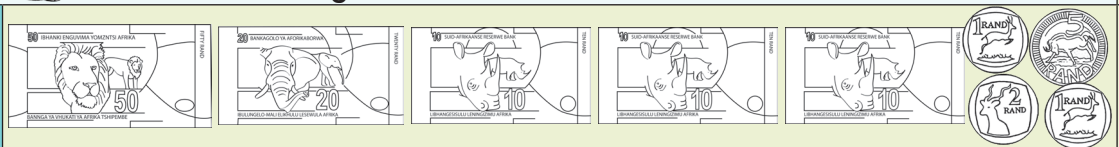
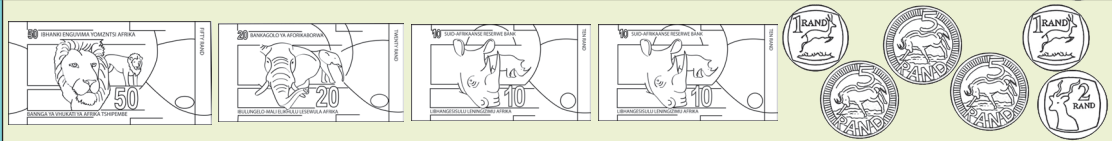
Colour the money that will make R99.



Colour the coins that will give you. Is this the only combination?

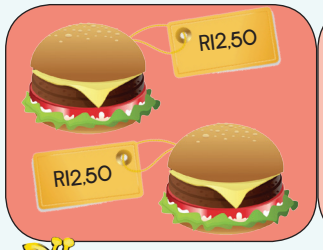
		Yes	No
75c			
85c			
90c			

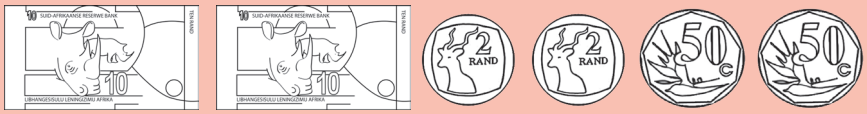
Colour the coins and notes that will give you the following:
Is this the only combination?

		Yes	No
R87			
R75			
R94			

1 2 3 4 5 6 7 8 9 10

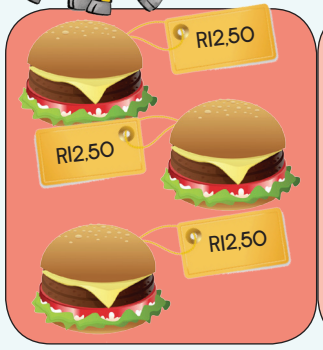
Sipho bought two hamburgers. Each hamburger cost R12,50. How much did he pay? Sketch the correct notes and coins to show your answer. Also write it as an addition sum.





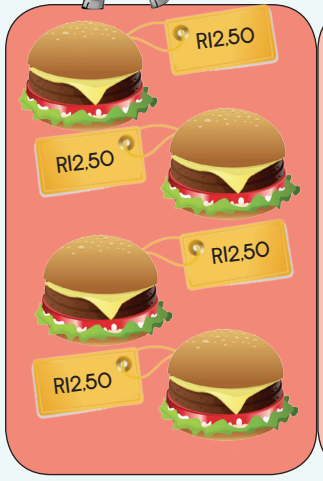
Number sentence:
R12,50 + R12,50 =

What if Sipho buys three hamburgers?



Number sentence:

What if Sipho buys four hamburgers?



Number sentence:

How many hamburgers can Sipho buy for R87,50. Make a similar drawing like the ones above to help you to solve the problem. Use a separate sheet of paper.

Teacher:
Sign:
Date:

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Solve money problems

Date:

What will I get if I sell 10 chocolates? Look at the pictures and continue the pattern?

1 chocolate

2 chocolates

3 chocolates

4 chocolates

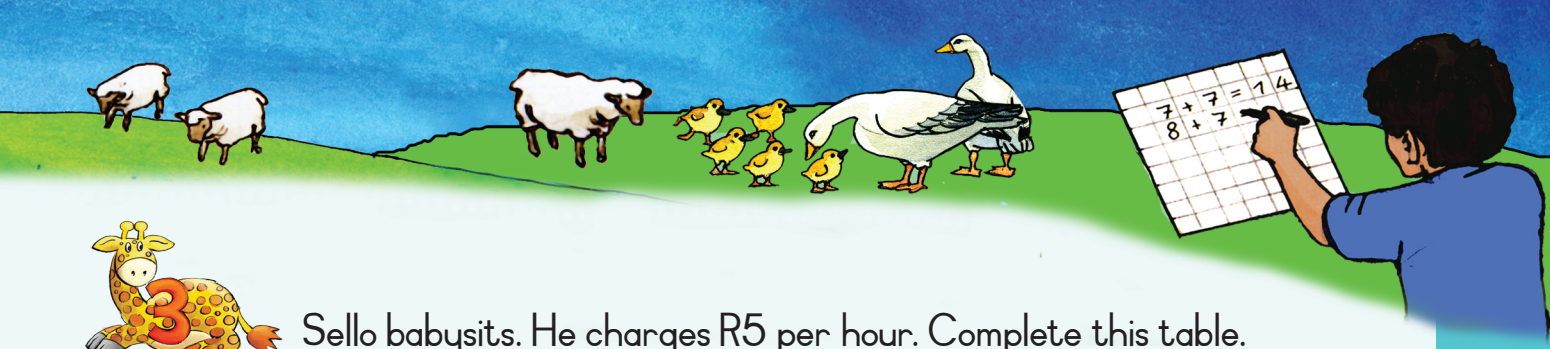
Sheila sells hot dogs at R4 each. Complete the table to help her to find the amount for large orders.

Number of hotdogs	1	2	3	4	5	6	7	8	9	10
Coins										
Cost in Rand	R4									

What if Sheila ask R5 per hot dog?

Number of hotdogs	1	2	3	4	5	6	7	8	9	10
Coins										
Cost in Rand	R5									

1 2 3 4 5 6 7 8 9 10



Sello babysits. He charges R5 per hour. Complete this table.

Number of hours	1	2	3	4	5	6	7	8	9	10
Cost in Rand										

Sello decides to double his cost per hour. Show it now in the table.

Number of hours	1	2	3	4	5	6	7	8	9	10
Cost in Rand	10	20								

Draw a picture to show Sello's cost for 8 babysitting hours at R5 per hour.

You want to buy 10 muffins. Each muffin costs R10. How much will you pay for 1, 2, 3, 4, 5, 6, 7, 8, 9 or 10 muffins. Show it in a table on a separate sheet of paper.

Teacher:
Sign:
Date:

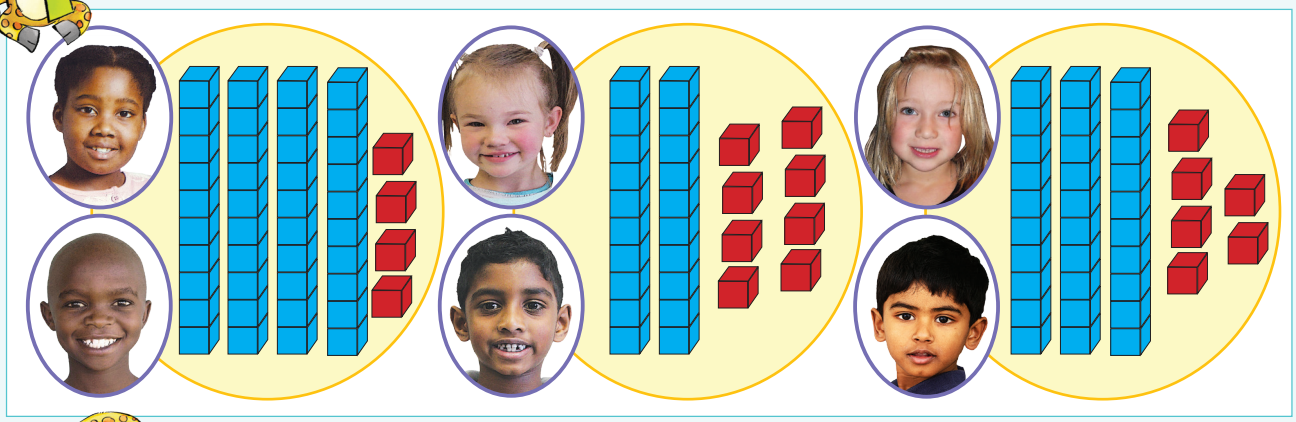
11 12 13 14 15 16 17 18 19 20

110

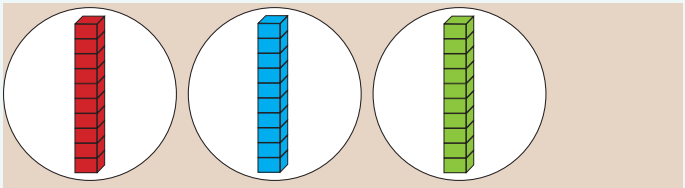
Date:

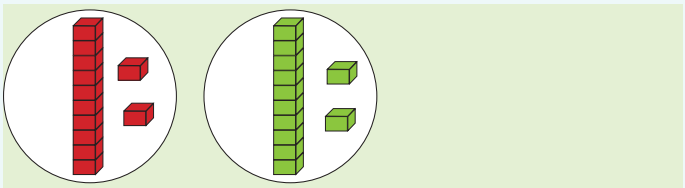
Grouping and sharing

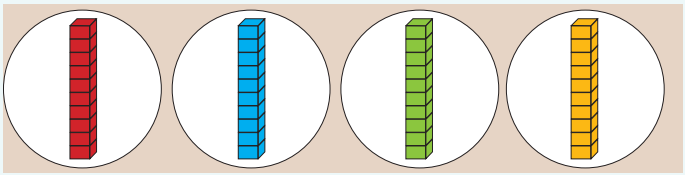
How many blocks are in each circle? Share them between the children.



How many blocks are in each circle? Write the total in the blue circle. Write a multiplication sum for each.





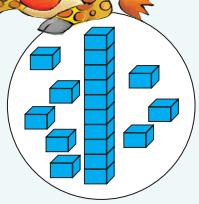


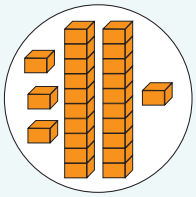
□ × □ = □

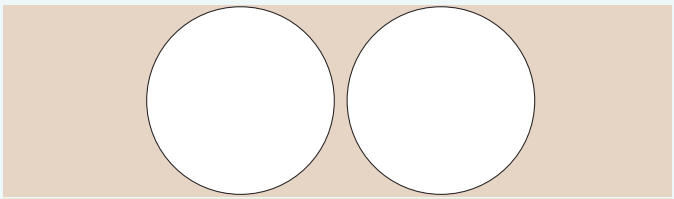
□ × □ = □

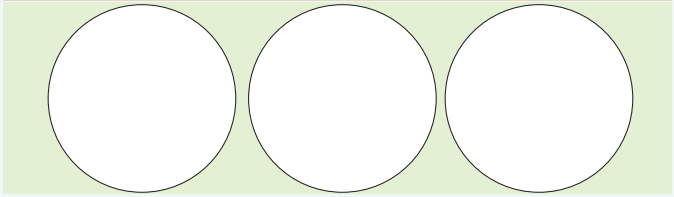
□ × □ = □

Share the blocks between the circles. Write a division sum for each.









□ ÷ □ = □

□ ÷ □ = □

Draw the following. Write a sum for each.

3 groups of 2	4 groups of 10
+ Plus sum:	+ Plus sum:
× Times sum:	× Times sum:

Share 12 counters between 4.	Share 36 counters between 3.
− Minus sum:	− Minus sum:
÷ Division sum:	÷ Division sum:

Calculate.

2 groups of 7 _____	3 groups of 8 _____
4 groups of 5 _____	2 groups of 15 _____
Share 18 by 2 _____	Share 24 by 3 _____
Share 35 by 5 _____	Share 50 by 10 _____

double share

Teacher:
Sign:
Date:

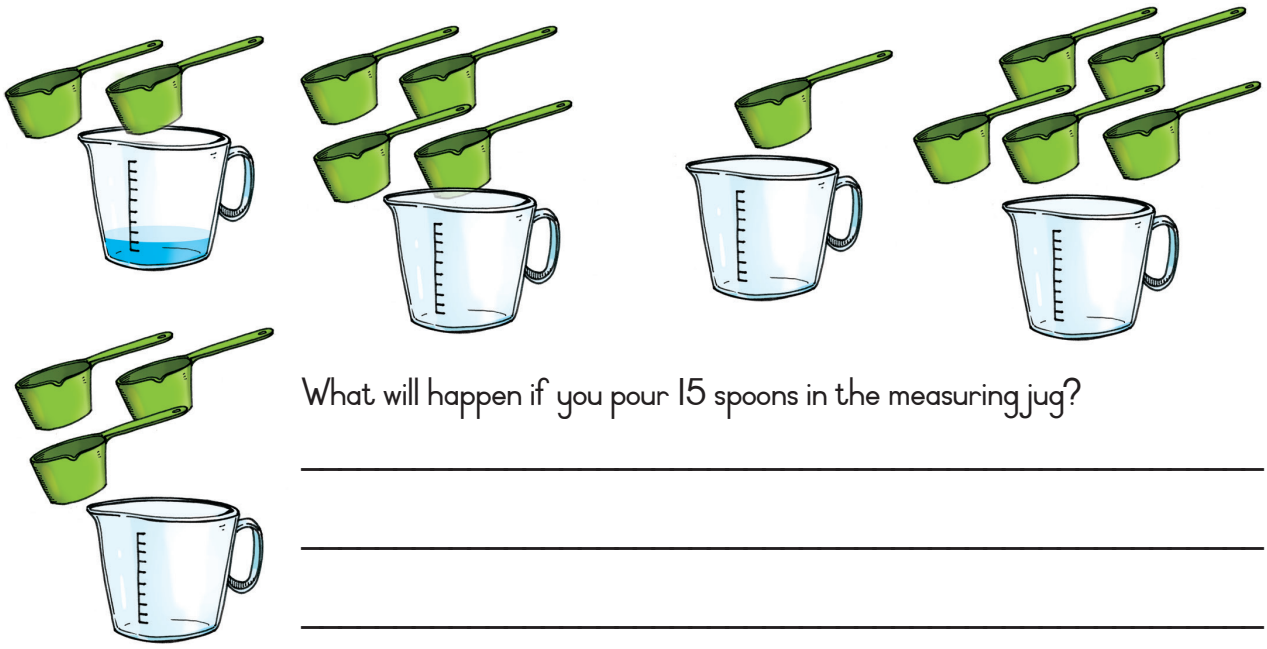
11 12 13 14 15 16 17 18 19 20

Even more capacity

Date:

1 Look at the pictures. What are the children doing?

2 Colour in up to where the spoons fill the jug with liquid.
We have done the first one for you.



What will happen if you pour 15 spoons in the measuring jug?

_____

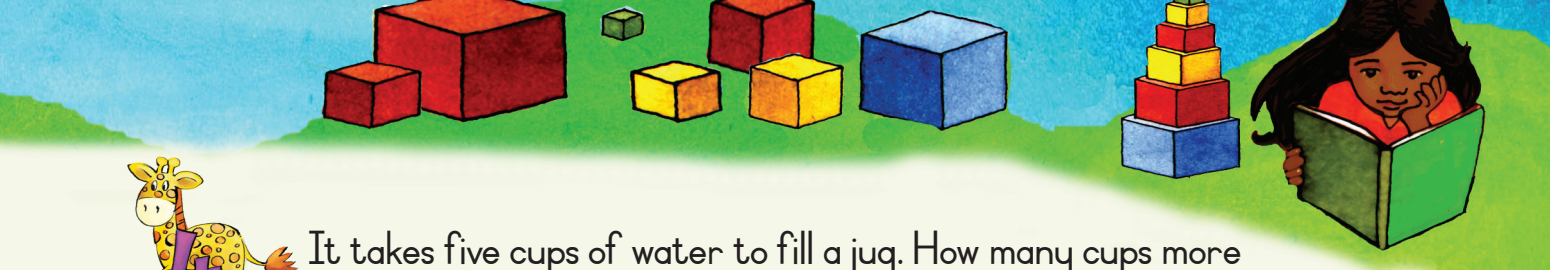
_____

_____

3 It takes five cups of water to fill a jug. How many cups of water do you need to fill the following number of jugs?

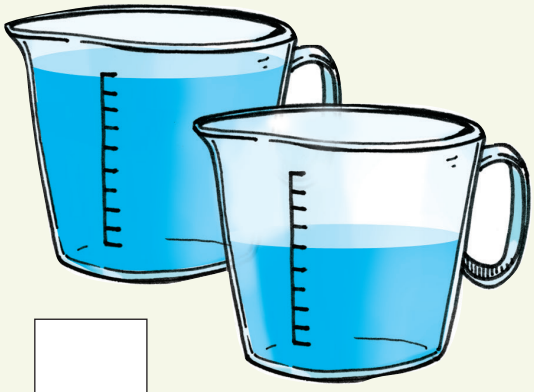
2 jugs _____ 3 jugs _____

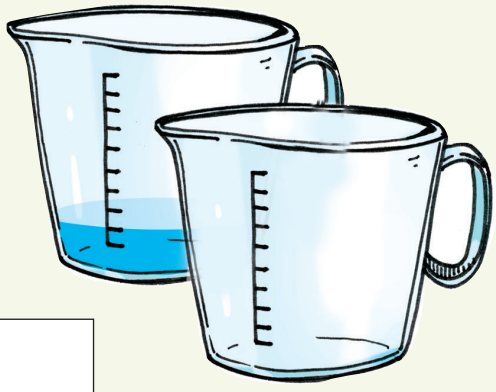
4 jugs _____ 5 jugs _____



It takes five cups of water to fill a jug. How many cups more do you need to fill the measuring jug or jugs?

2





Find pictures of containers that equal 1 litre, 2 litres and 5 litres. Paste them here or in an exercise book. Paste them from the containers that holds the most to the container that holds the least.

Teacher:

Sign:

Date:

11 12 13 14 15 16 17 18 19 20

112

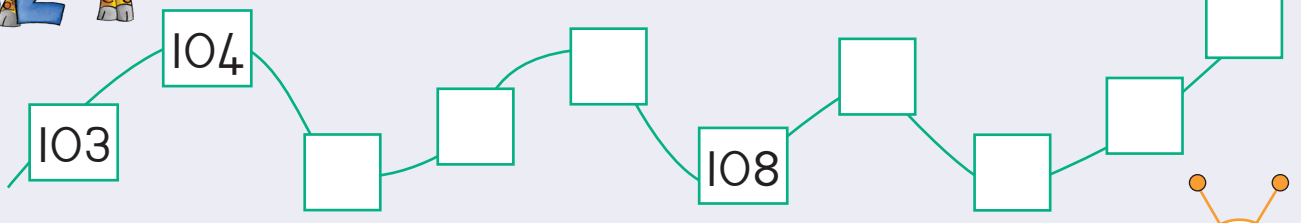
Number patterns

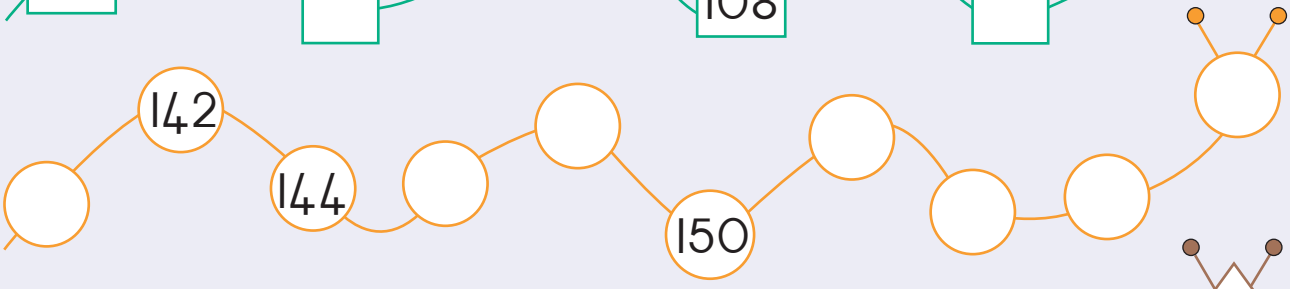
Date:

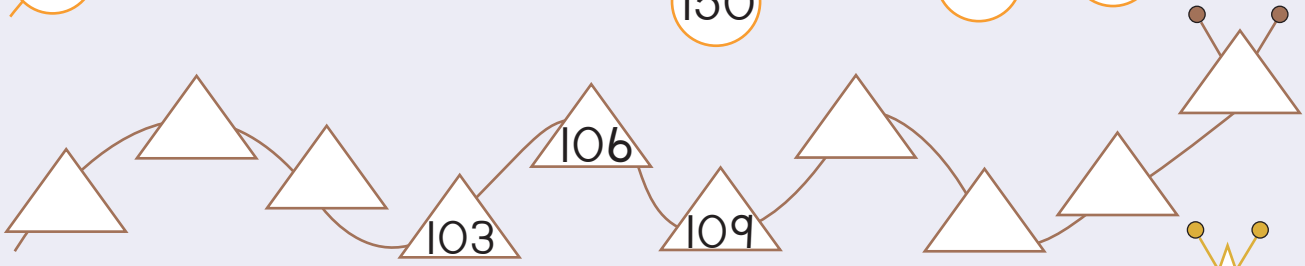
Place the cards in order. First from big to small, then small to big.

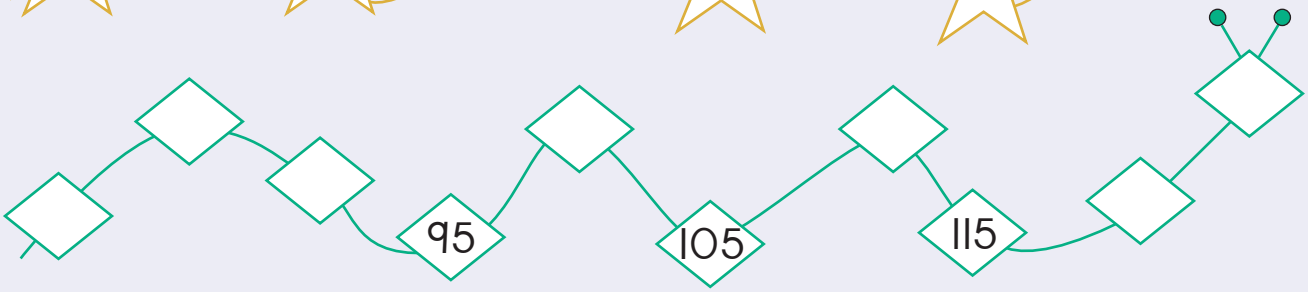
5	3	8	1	9	7	6	2	4
61	66	64	69	62	68	67	63	65
136	132	140	138	131	135	133	137	134	139

Fill in the missing numbers.









1 2 3 4 5 6 7 8 9 10

Complete the following counting backwards.

128	126	124			118				
160	157	154							
200	195	190							

Complete the following by extending the pattern.

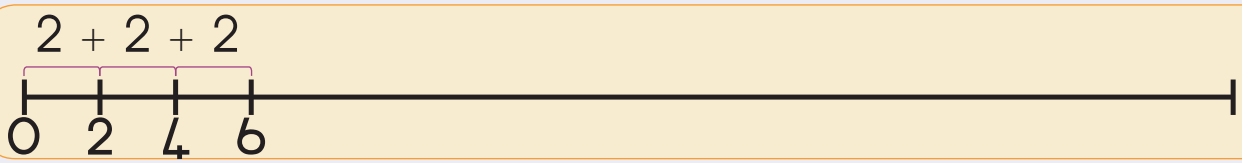
100, 102, 104, ___, ___, ___, ___, ___

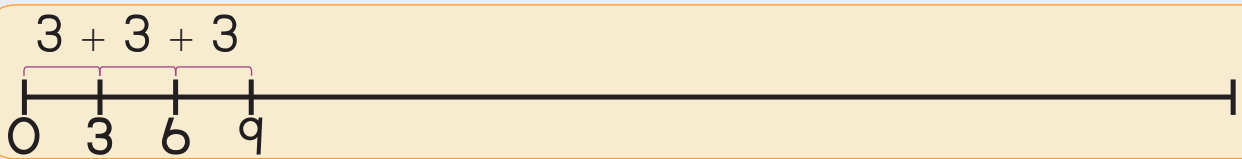
160, 155, 150, ___, ___, ___, ___, ___

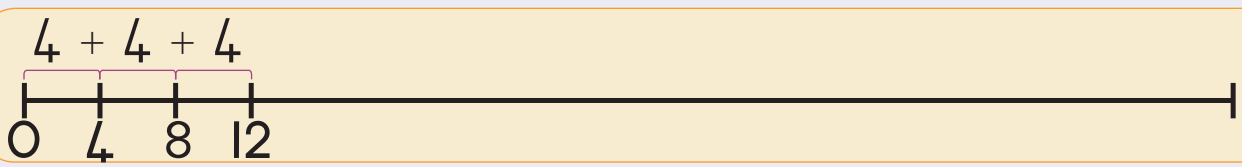
115, 118, 121, ___, ___, ___, ___, ___

200, 190, 180, ___, ___, ___, ___, ___

Complete the number line.







In what do we count?

4 8 20 16 12	2 8 14 12 10 4 6	5 25 15 30 10 20	3 15 21 6 18 9 12

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

113

Multiply by 3

Date:

All these animals have 4 feet. All these animals have 2 ears.

What is the total number of feet in this picture? ☐

What is the total number of ears in this picture? ☐

Look at the pictures and complete the following:

☐ × ☐ = ☐

Number of mice — Feet per animal

☐ × ☐ = ☐

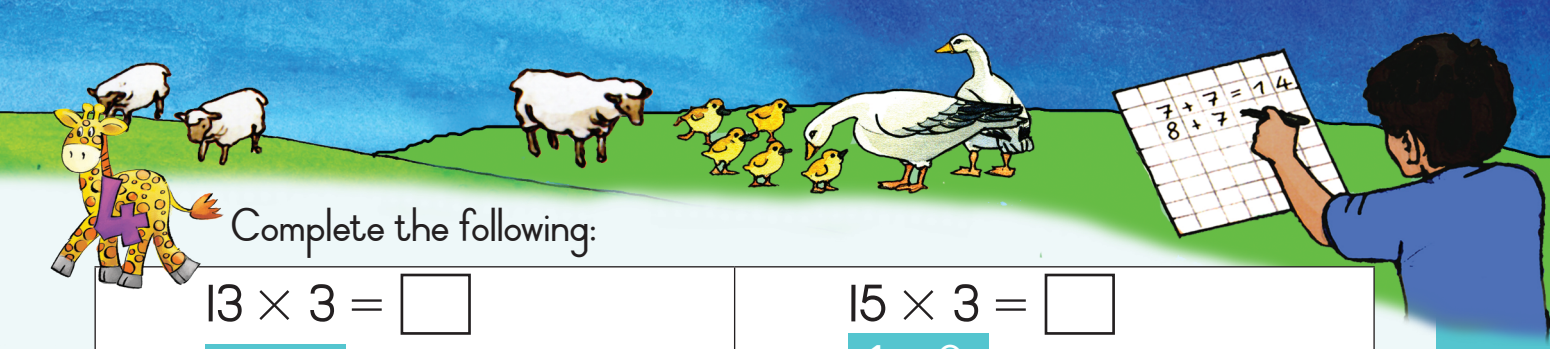
Number of mice — Ears per animal

Complete the following:

3	6	9							
30	27	24							

Complete the following:

5 ×  = ☐ apples	4 ×  = ☐ bananas
6 ×  = ☐ bananas	7 ×  = ☐ apples



4 Complete the following:

$13 \times 3 = \square$

$10 + 3 \times 3$

$= (10 + 3) \times 3$

$= 10 \times 3 + 3 \times 3$

$= 30 + 9$

$= 39$

$15 \times 3 = \square$

$10 + 5 \times 3$

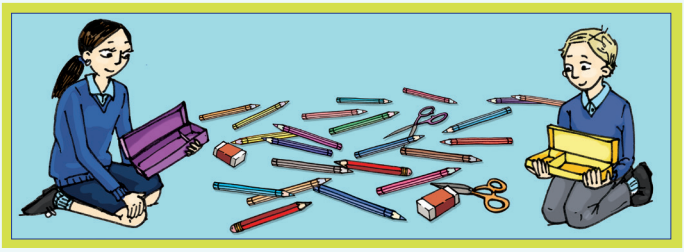
$= \square + \square \times \square$

$= \square \times \square + \square \times \square$

$= \square + \square$

$= \square$

5 The two friends dropped their pencil cases. They had exactly the same stationary. Please help them to put it back.

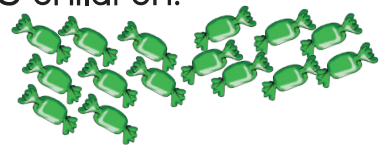


6 Complete the following:

Share this chocolate equally between 2 children.

Each get ☐

Share 15 toffees equally between 3 children.



Each get ☐

7 Draw pictures to show your answers.

Share 9 pencils between 3 children.

Each get ☐

Share 16 crayons between 3 children. Will there be any crayons left over?

Each get ☐

Teacher:

Sign:

Date:

11 12 13 14 15 16 17 18 19 20

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Date:

Mixed multiplication

Look at the following. What do you notice?

5 + 5 + 5 = 15

3 lots of 5 = 15

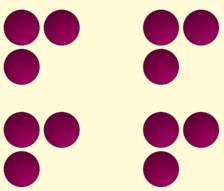
3 groups of 5 is 15

3 times 5 = 15

$3 \times 5 = 15$

$5 \times 3 = 15$

Complete the table below. The example will guide you.

Skip counting	Equal groups	Repeated addition	Arrays	Facts
3, 6, 9, 12		3 + 3 + 3 + 3	4 rows of 3 × × × × × × × × × × × ×	$4 \times 3 = 12$ $3 \times 4 = 12$
		4 + 4 + 4		
				$6 \times 5 = 30$ $5 \times 6 = 30$
2, 4, 6, 8, 10, 12				

How fast can you complete the following?

1 × 2 =	
2 × 2 =	
3 × 2 =	
4 × 2 =	
5 × 2 =	
6 × 2 =	
7 × 2 =	
8 × 2 =	
9 × 2 =	
10 × 2 =	

1 × 5 =	
2 × 5 =	
3 × 5 =	
4 × 5 =	
5 × 5 =	
6 × 5 =	
7 × 5 =	
8 × 5 =	
9 × 5 =	
10 × 5 =	

Answer the following questions. What is:

four fives	
double 6	
6 times 5	
2 multiplied by 4	
8 times 2	

Replace the place holder with a number.

3 groups of 2 are 6 or 3 times 2 is 6 or 3 × 2 = ☐	
4 groups of 3 are 12 or 4 times 3 is 12 or 4 × 3 = ☐	
6 groups of 3 are 18 or 6 times 3 is 18 or 6 × ☐ = 18	

Problem: There are five counters in a row. There are 4 rows. How many counters altogether? Draw a picture to show your answer.

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

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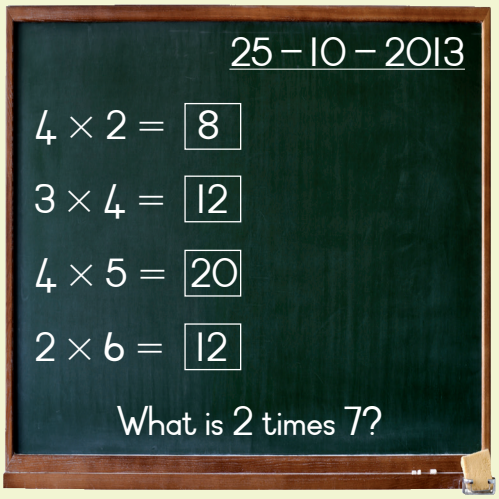
Date:

More multiplication

Look at the examples.

What is multiplication?



1 × 5 = 5
2 × 5 = 10
3 × 5 = 15
4 × 5 = 20
5 × 5 = 25
6 × 5 = 30
7 × 5 = 35
8 × 5 = 40
9 × 5 = 45
10 × 5 = 50

Complete:

	1	2	3	4	5	6	7	8	9	10
× 2	2	4	6							

Use your own method to solve this.

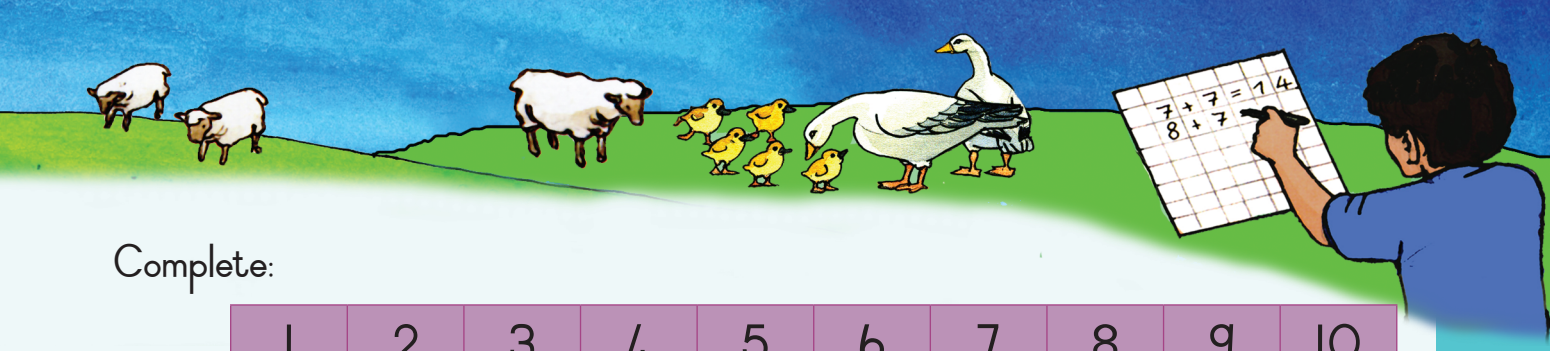
12 × 2	16 × 2

Complete:

	1	2	3	4	5	6	7	8	9	10
× 3	3	6	9							

Use your own method to solve this.

13 × 3	15 × 3



Complete:

	1	2	3	4	5	6	7	8	9	10
× 4	4	8	12							

Use your own method to solve this.

11 × 4	14 × 4

Complete:

	1	2	3	4	5	6	7	8	9	10
× 5	5	10	15							

Use your own method to solve this.

12 × 5	16 × 5

There are 12 oranges in a bag. How many oranges are there in:

4 bags?	5 bags?	3 bags?	2 bags?

Teacher:
Sign:
Date:

Date:

Days of the week

1 Unscramble the letters of the days of the week.

AYUETSD

DNYUAS

ONAYDM

ENEDSDWAY

UAYTSRHD

ASTDAUYR

IFADRY

2 Fill in the missing days.

Monday		Wednesday	
Sunday		Tuesday	

3 Write down the days of the week.

Sunday						

4 How many days is it from:

Monday to Thursday? _____

Tuesday to Friday? _____

Thursday to Saturday? _____

5 How many days are between:

Tuesday and Saturday? _____

Wednesday and Friday? _____

Thursday and Sunday? _____

Months of the year

1 Unscramble the letters of the months of the year.

AURJNAY EARUBFRY JYLU RBCOTOE

EVEMONBR MEBERCED GTUUSA UEJN

AMCHR AMY PRLAI EEMTSPEBR

2 How many days are there in each month?

January 31	February	March	April
May	June	July	August
September	October	November	December

3 Answer the following:

What comes before March? _____

What comes after June? _____

4 If it is July, how many months is it before:

September? _____

Your birthday? _____

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

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Days, weeks and months

Date:

December 2015

Sun	Mon	Tues	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

Look at the calendar and answer the following:

What day is the 1st of December? _____

What day is the 15th of December? _____

What day is the 24th of December? _____

What day is the 12th of December? _____

Answer these questions:

How many days are there in December? _____

How many weeks are there in December? _____

How many days are there in a week? _____

When is the school closing in December? _____

What happens on the 25th of December? _____

What happens on the 31st of December? _____

What day comes after the 31st of December? _____

Colour all the odd numbers yellow on the calendar.

What do you notice? _____

Colour all the even numbers red on the calendar.

What do you notice? _____

Complete this calendar. Fill in the year and the dates.

April ____

Sun	Mon	Tues	Wed	Thu	Fri	Sat

What date and day is it?

	Date	Day

How many days is it from:

	to		
	to		
	to		
	to		

Teacher:

Sign:

Date:

11 12 13 14 15 16 17 18 19 20

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Date:

More number patterns

Explain the pattern on each board.

101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150

151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200

Complete the pattern.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200

1 2 3 4 5 6 7 8 9 10

Is the number odd or even? Circle odd or even.

4 odd even	19 odd even	21 odd even
26 odd even	20 odd even	18 odd even

Fill in the missing number to complete the repeated pattern.

33, 39, 33, ☐, 33, 39, 33, 39

96, 74, 96, 74, 96, 74, 96, ☐

38, 45, 38, 45, ☐, 45

49, 5, 46, 20, 49, 5, ☐, 20, 49, 5, 46, 20, 49, 5, 46

☐, 78, 21, 11, 78, 21, 11, 78, 21, 11

Outline the numbers in colour to help you to solve the problems.

Fill in the missing number to complete the repeated pattern.

55, 21, 19, 63, 55, 21, 19, 63, 55, 21, 19, 63, 55, 21, 19, ☐

18, 28, 36, 18, 28, 36, 18, 28, 36, 18, 28, 36, 18, ☐

11, 76, 11, 76, 11, 76, 11, 76, ☐

60, 91, 94, 60, 91, 94, 60, 91, 94, 60, ☐

28, 47, 78, 28, 47, 78, 28, 47, 78, 28, 47, 78, 28, ☐

11 12 13 14 15 16 17 18 19 20

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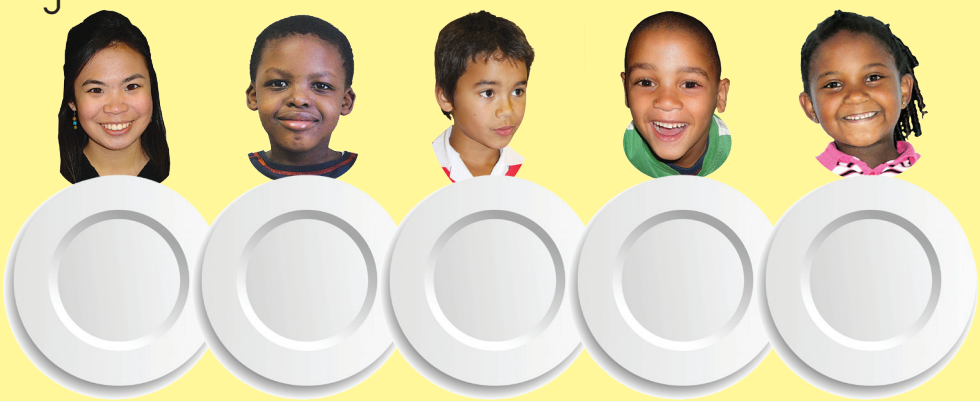
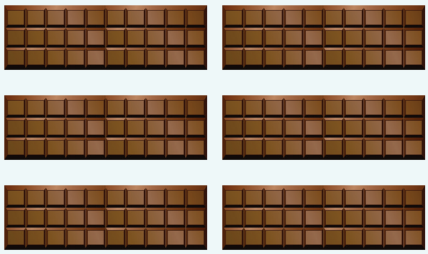
Date:

Equal sharing leading to fractions

Share the chocolate slab saying how many blocks each child will get.



Now share 6 chocolate slabs among 3 children.



Show your answer by making a drawing below.

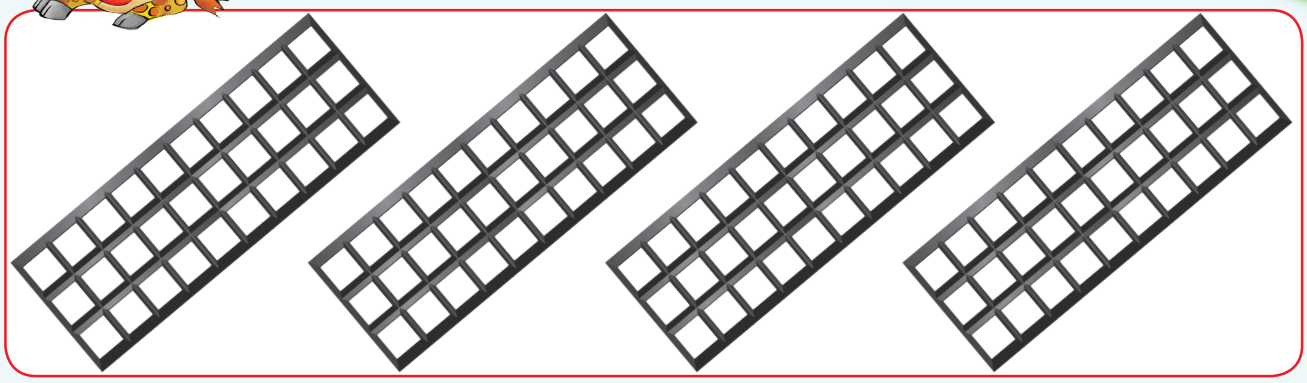
Each child gets one third of the chocolate.

You have 3 cakes. Share it equally among 4 friends.

Show your answer by making a drawing below.

Each child gets one _____ of the cakes.

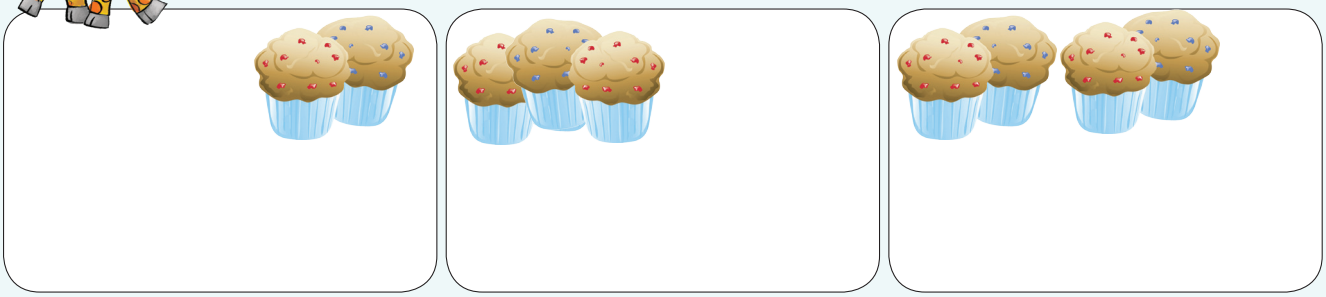
Colour one quarter of all the chocolate in these four slabs.



How many blocks of chocolate is one quarter? _____

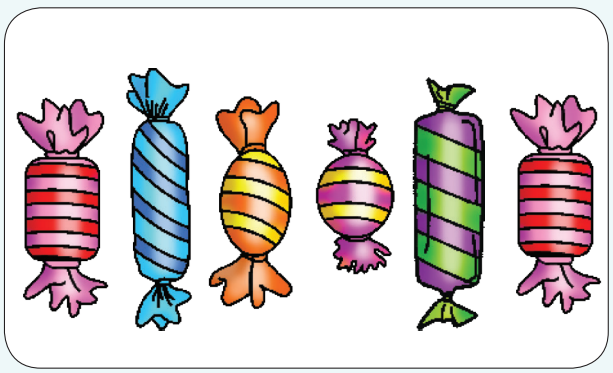
How many blocks of chocolate is one fifth? _____

Show one half of the following.



Show one third of the sweets.

Show one sixth of the sweets.



Share 11 chocolate bars among four friends so that they all get the same amount of chocolate and there is nothing left over.

Teacher:
Sign:
Date:

Date:

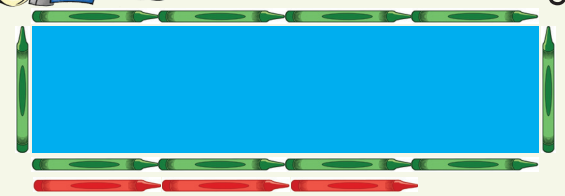
Length

1 Which sides are short and which sides are long?

The long side is _____ crayons.

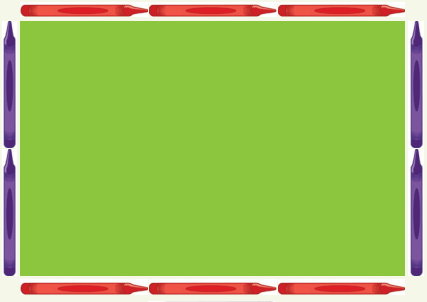
The short side is _____ crayons.

2 Answer the following.



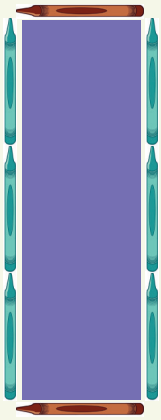
The long side is _____ crayons.

The short side is _____ crayons.



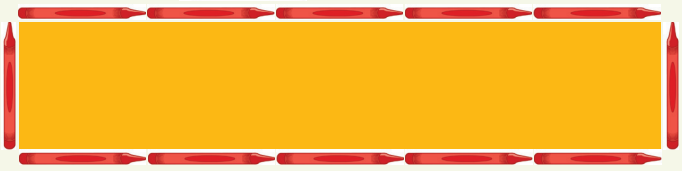
The long side is _____ crayons.

The short side is _____ crayons.



The long side is _____ crayons.

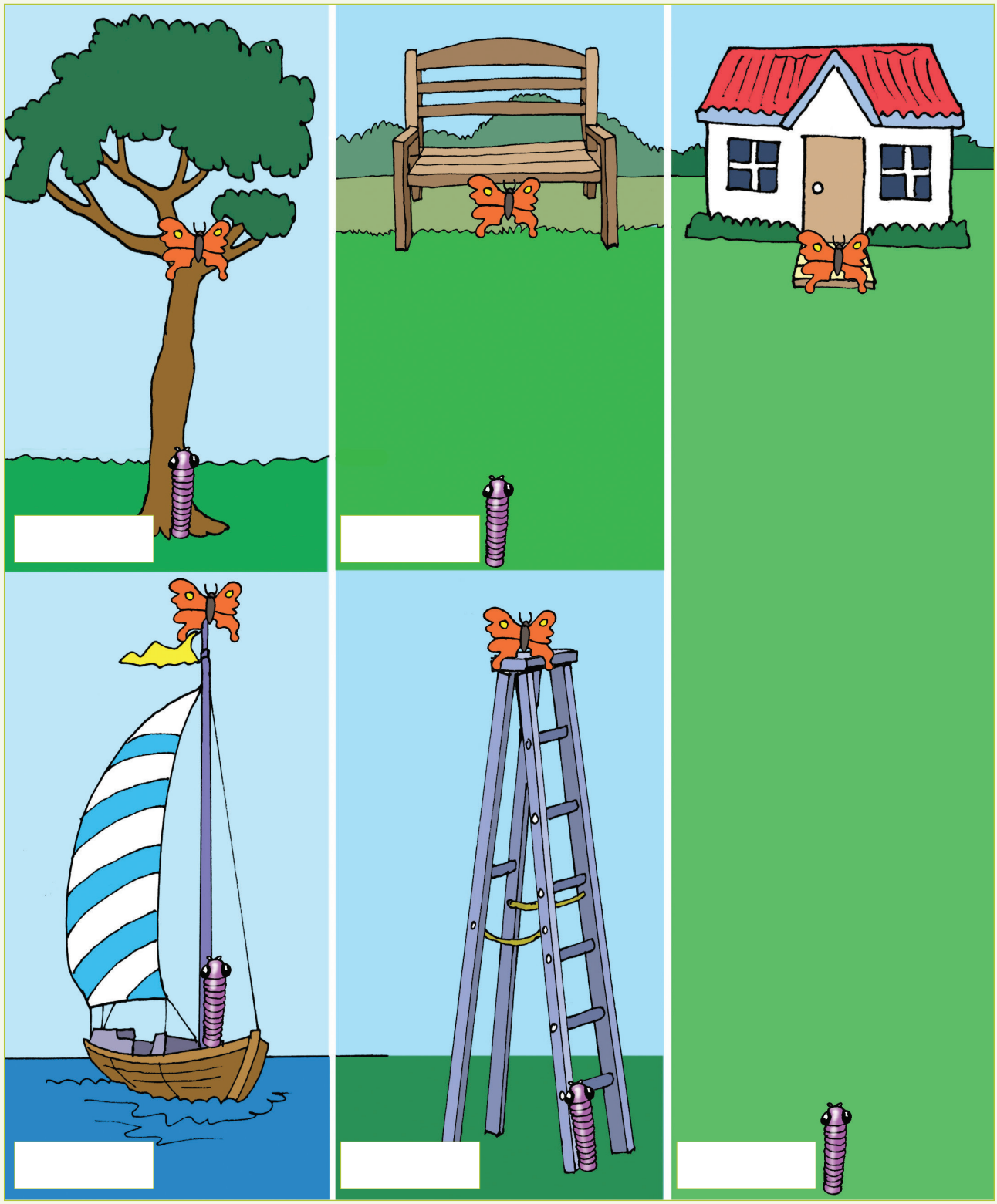
The short side is _____ crayons.



The long side is _____ crayons.

The short side is _____ crayons.

If the worms stood on top of each other, how many worms will it take to reach the butterfly.

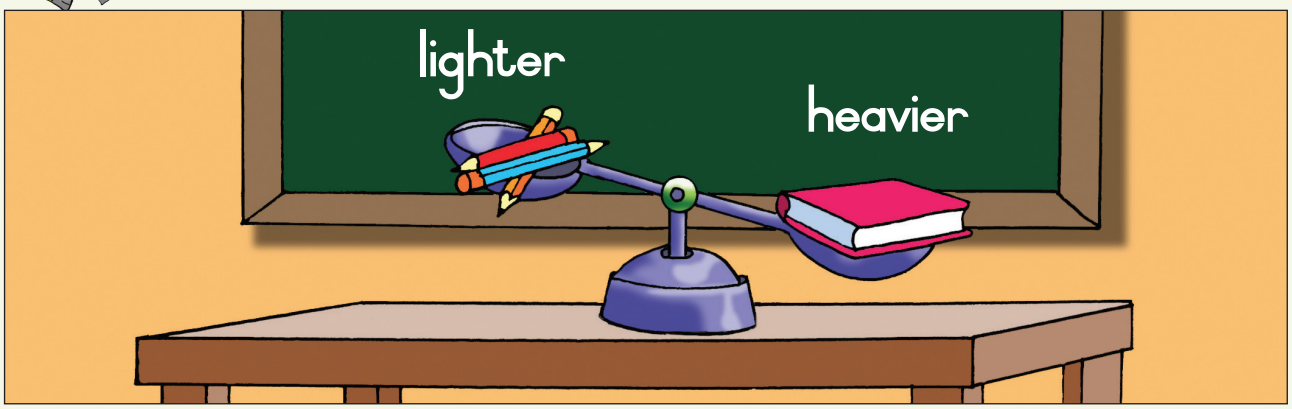


Teacher:
Sign:
Date:

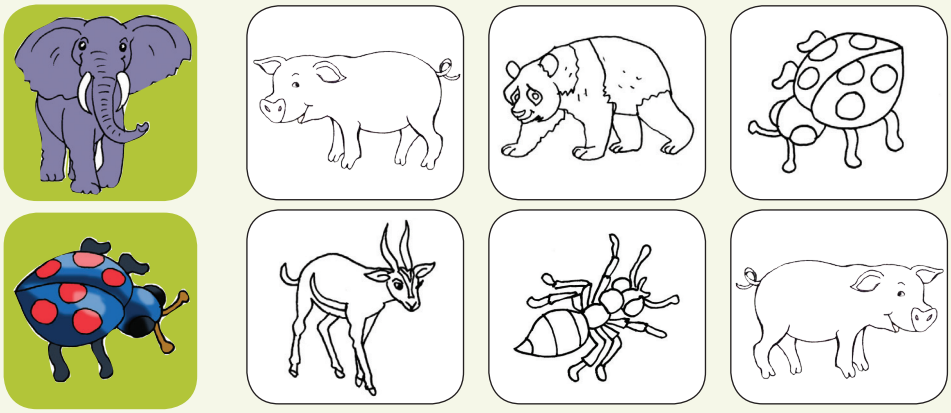
Date:

More heavier and lighter

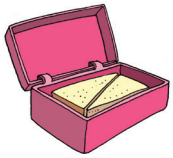
What does heavier and lighter mean?



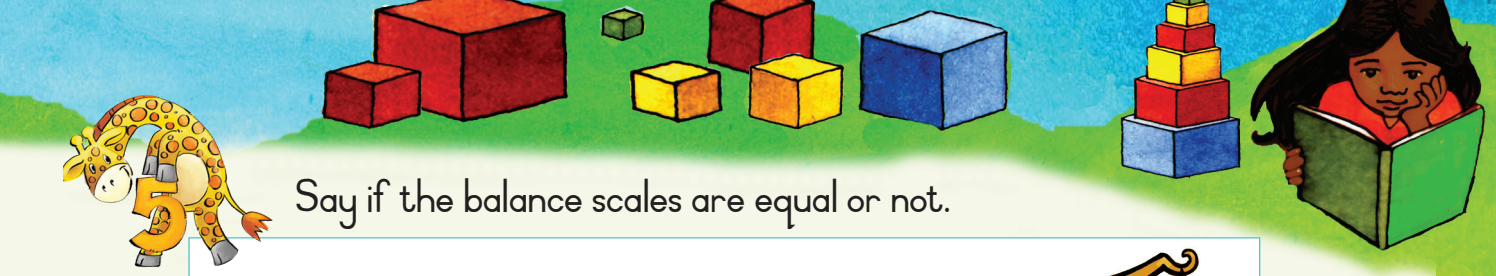
2 Colour the picture or pictures that show things lighter than the one in the green block.



3 Look at the picture. Find 2 pictures of objects that are heavier. Paste them here.



4 Look at the picture. Find 2 pictures of objects that are lighter. Paste them here.

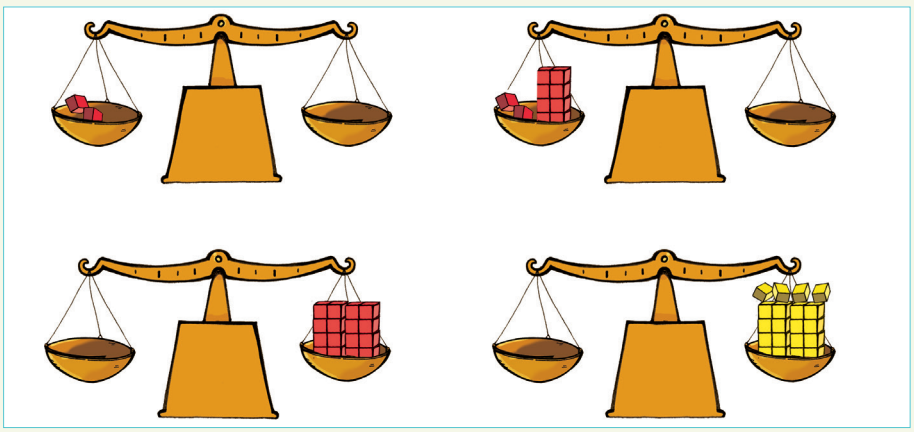


5 Say if the balance scales are equal or not.

6 Make the balance scales equal. Make a drawing in empty scales.

7 Make drawings to make the balance scales true.

8 Add blocks to make the scales balance if  = .



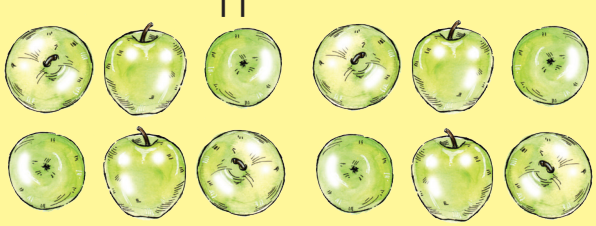
Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

Date:

More sharing leading to fractions

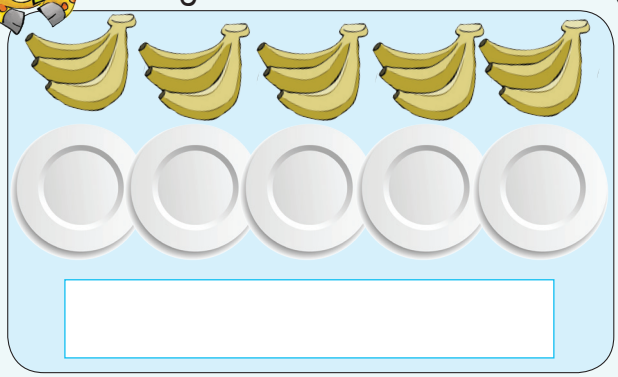
Share these apples between the three friends.

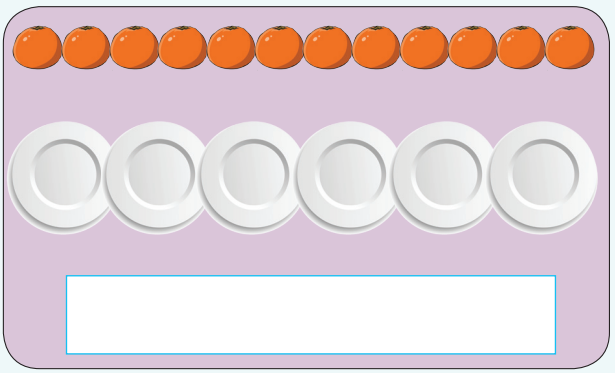


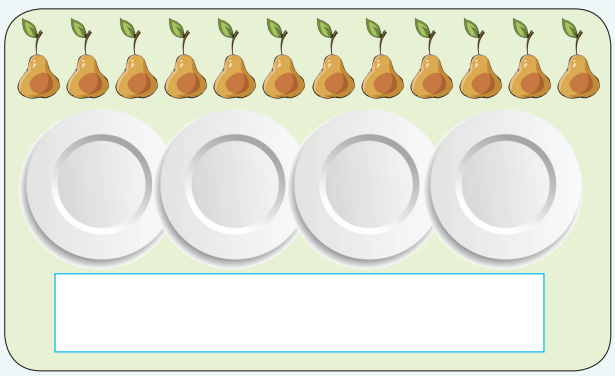
How many apples did each get? Four.
What fractions of all the apples did each get? One third.

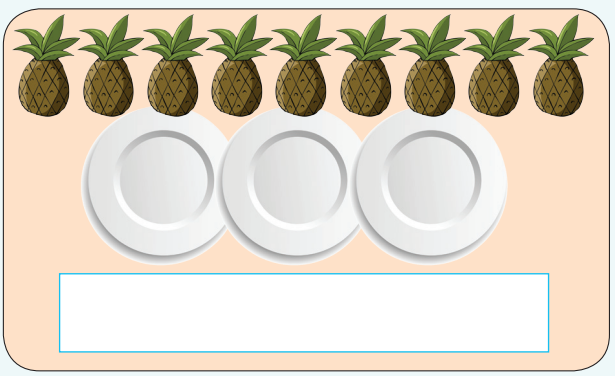
Look at the example above and complete the following.

- Share the fruit among the different numbers of friends.
- Say what fraction each friend gets.

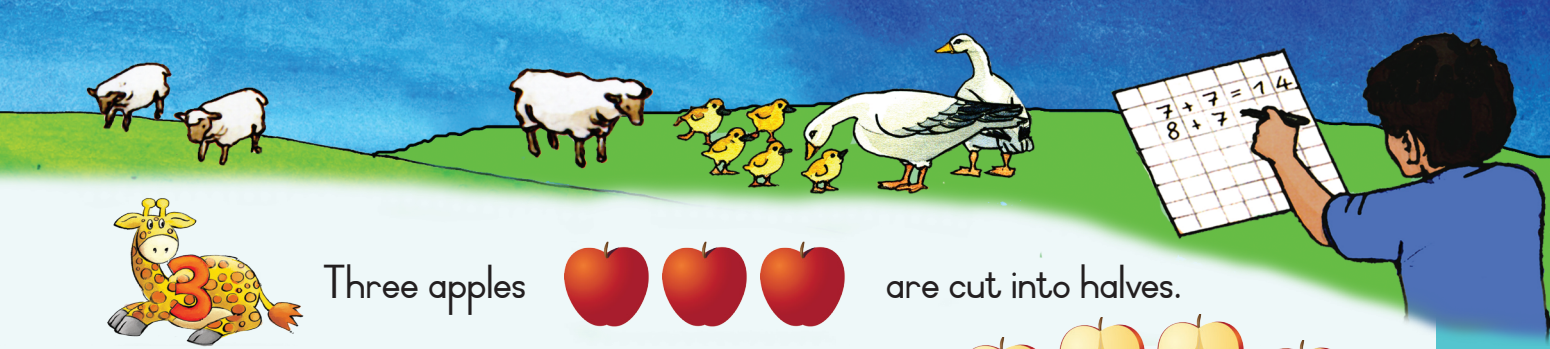




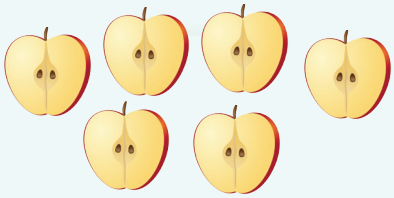




Grandmother gives Kiki 12 oranges. Kiki makes juice with one third of the oranges. How many oranges did she use?



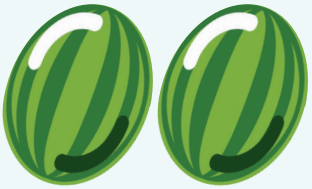
Three apples are cut into halves.

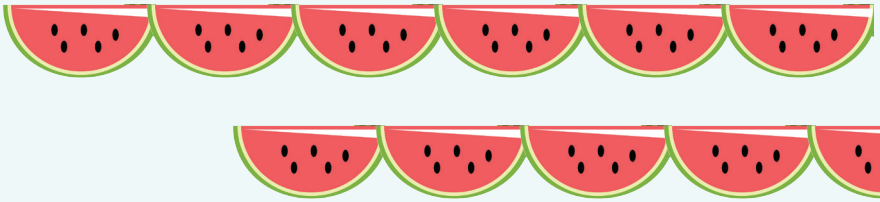


How many children can each get a half? _____

Four oranges  are cut into thirds.

How many children can each get one third? _____

Two watermelons  are cut into sixths.



How many children can each get one sixth? _____

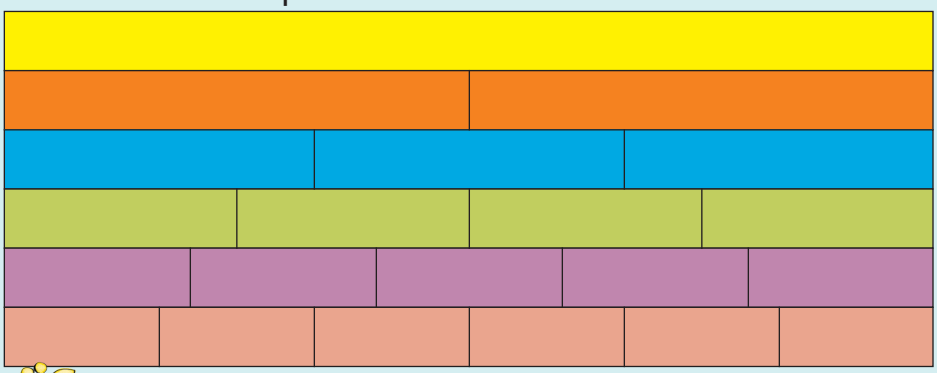
A netball coach gives half an orange to each player.
There are 14 players. How many oranges does she need?

Teacher:
Sign:
Date:

Date:

Fractions

What does each strip mean? The words on the right may help you. Match the word with the strip.



one third

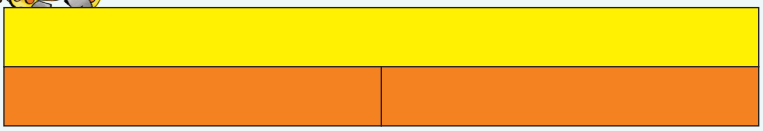
one fifth

one half

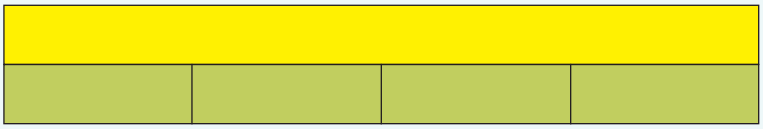
one sixth

one quarter

Complete the following.



2 halves are the same as _____ whole.

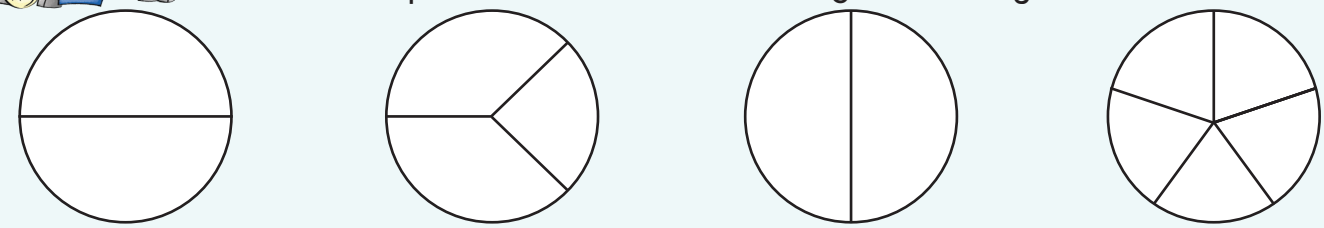


4 quarters are the same as _____ whole.

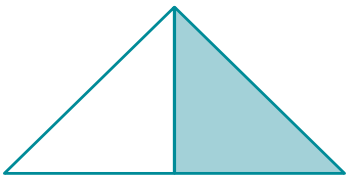
3 thirds are the same as _____ whole.

5 fifths are the same as _____ whole.

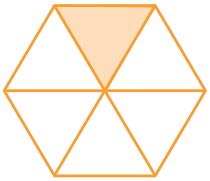
Colour one part of each of the following. What do you notice?

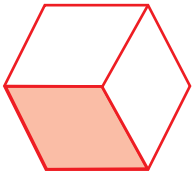


Say which fraction of each shape is shaded.
Write it in words.



one half





Draw shapes to show the following. Use squares, rectangles and circles.

one third

one half

one quarter

one fifth

Ask your mother or guardian what will she buy:

- one half of:
- one third of:
- one quarter of:
- one sixth of:

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

More fractions

Date:

From which cake will you prefer a slice. Why?

Your friend asks you to divide three pizzas into equal slices.
Make a drawing to show each.

Halves

Thirds

Quarters

Tick the correct answer.

You and your friend ate two halves of the pizza. How much did you eat?

- One half of the pizza or ☐
- One whole pizza? ☐

Thabo, Sipho and John ate three thirds of the pizza. How much did they eat?

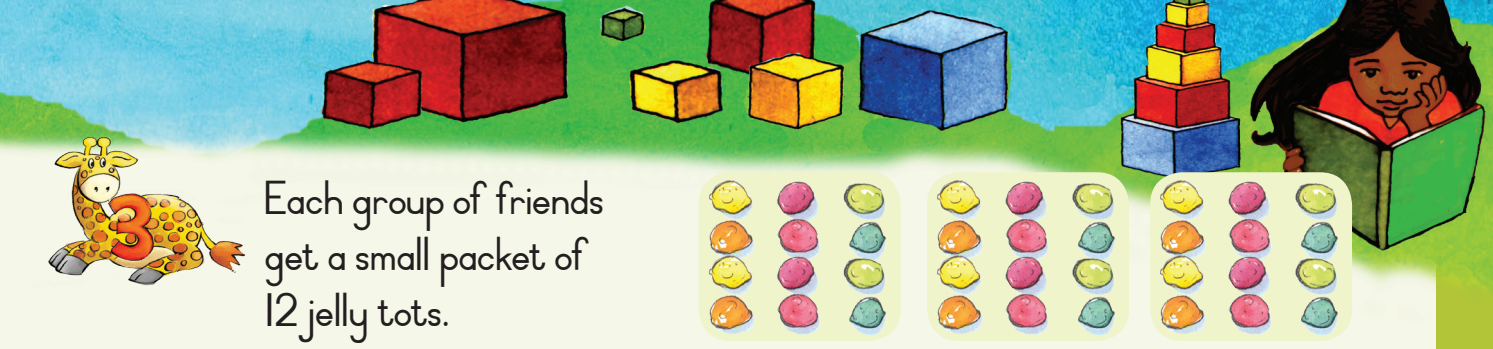
- One third of the pizza or ☐
- One whole pizza? ☐

Lindy, Susan, Lerato and Palesa ate one whole pizza. How much did they eat?

- One quarter or ☐
- Four quarters? ☐

Answer the following questions:

- If I divide a pizza into fifths how many fifths should we eat to eat the whole pizza? _____
- If I divide a cake into sixths how many sixths should we eat to eat the whole cake? _____



Each group of friends get a small packet of 12 jelly tots.

Group	1	2	3
Children in the group	2	3	4
How many jelly tots will each friend get if the jelly tots are shared equally?			
Tick the group that you want to be in. Why?			
How many sweets will the following be? What do you notice?	Two halves	Three thirds	Four quarters

Colour the fractions that are the same as one whole.

two quarters
three quarter
three thirds
four fifths
four fourths
two thirds
three fifths
two halves
four quarters
three thirds
five fifths
two fifths
one quarter
five fifths

What will you prefer, four quarters of a chocolate or one whole chocolate? Why?

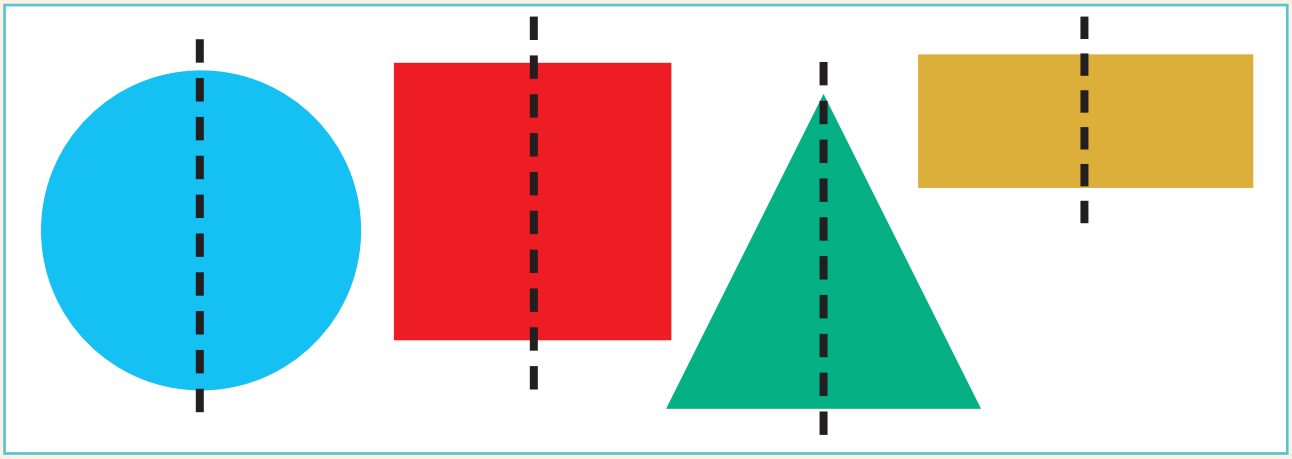
Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

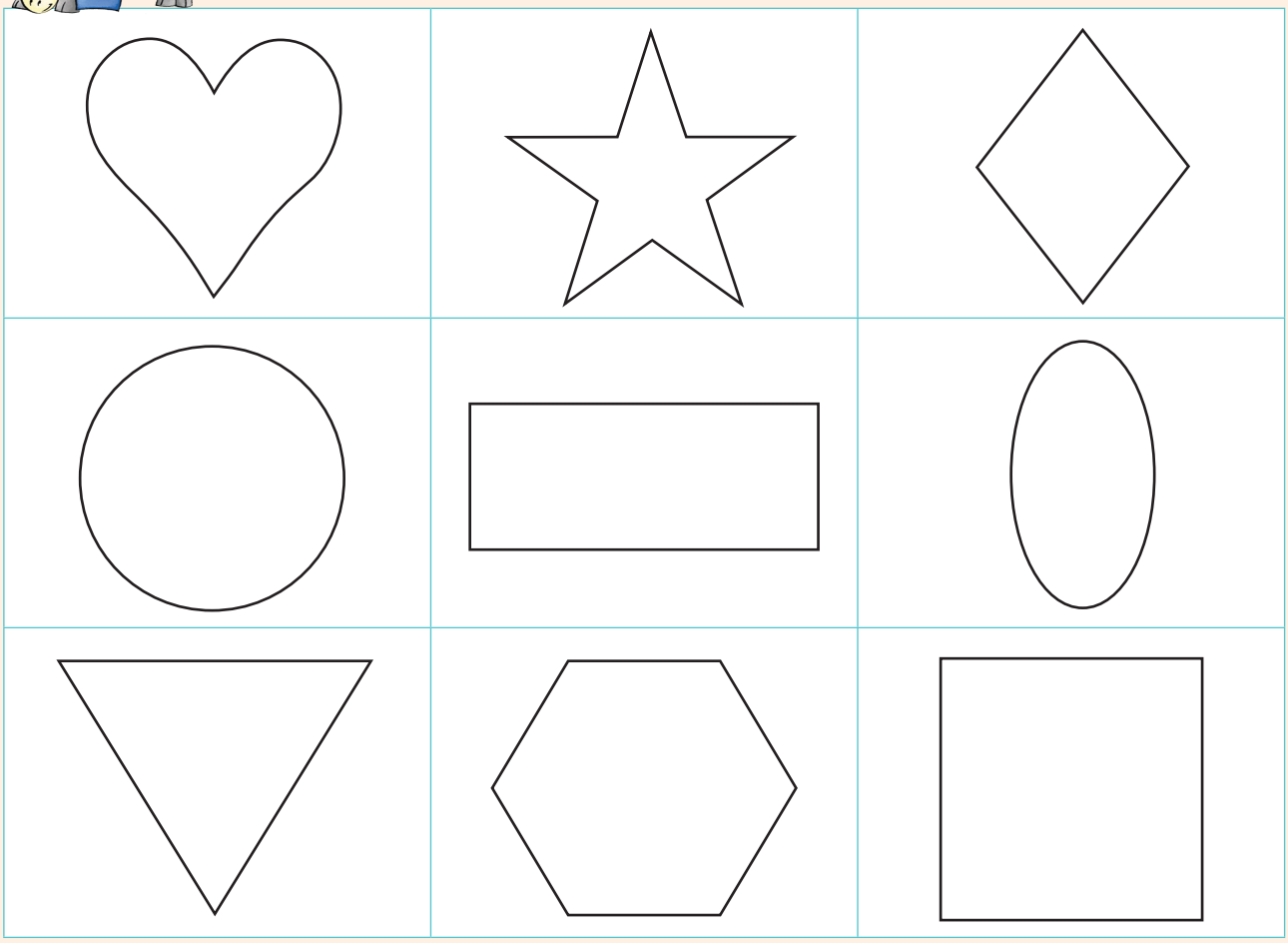
Date:

Symmetry and shapes

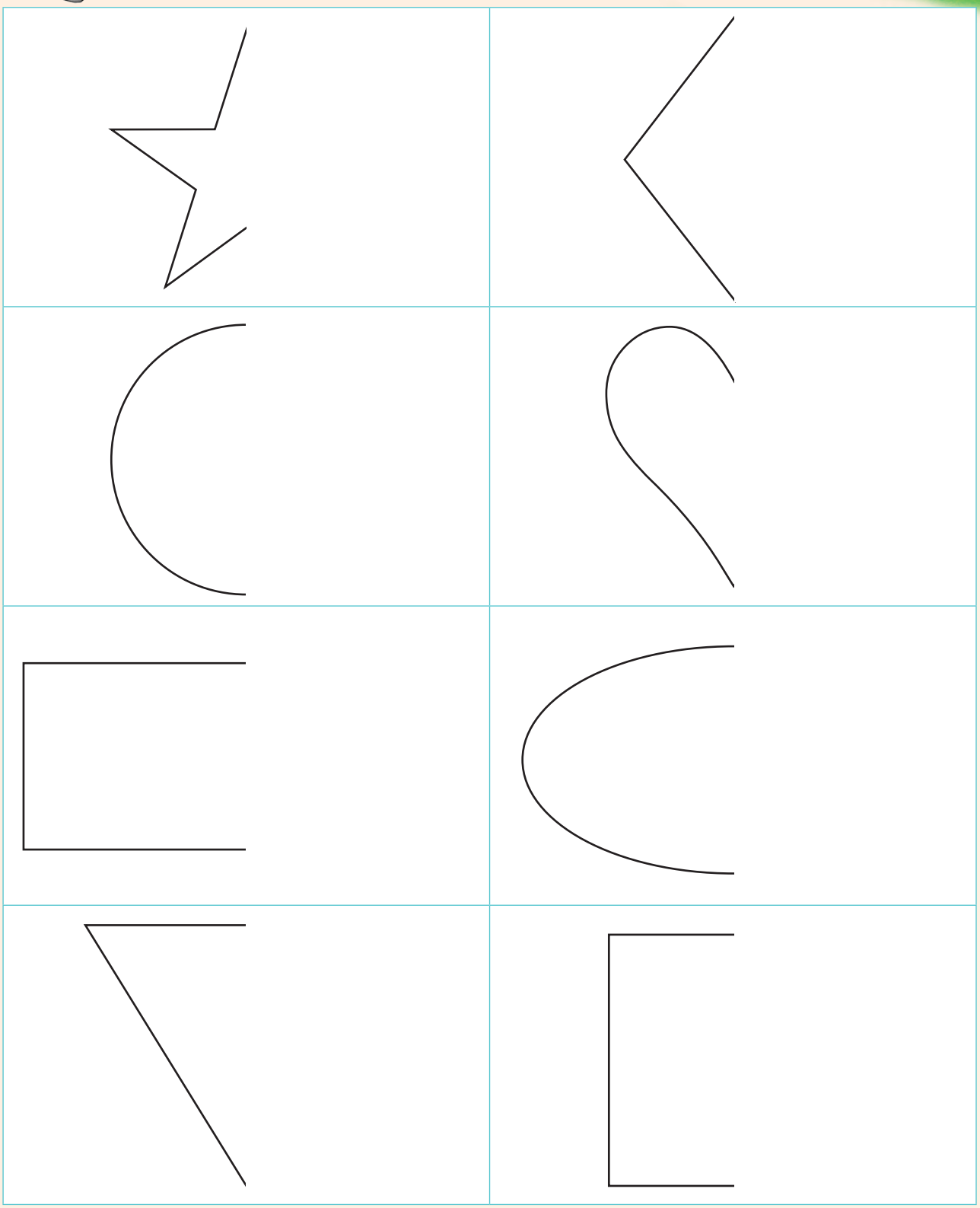
Look at the pictures of the shapes. Does the one side of the shape look the same as the other side? Are they symmetrical?



Draw a line so the one side of the shape looks the same as the other side.



Draw the other side of the shape.



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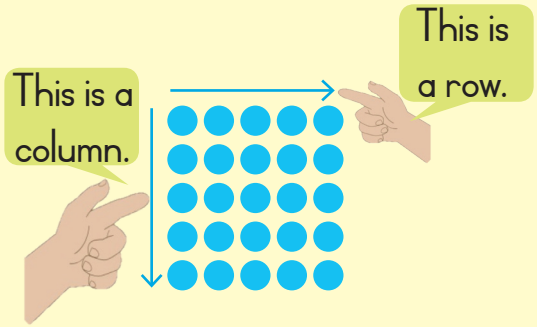
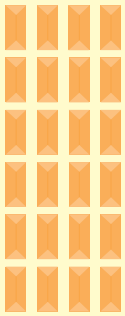
Arrays and fractions

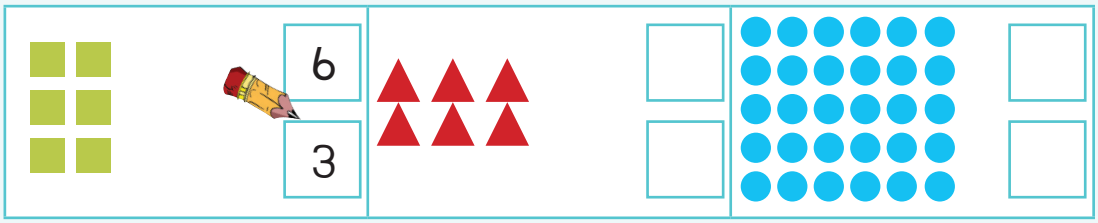
Look at these pictures. How fast can you count the shapes?



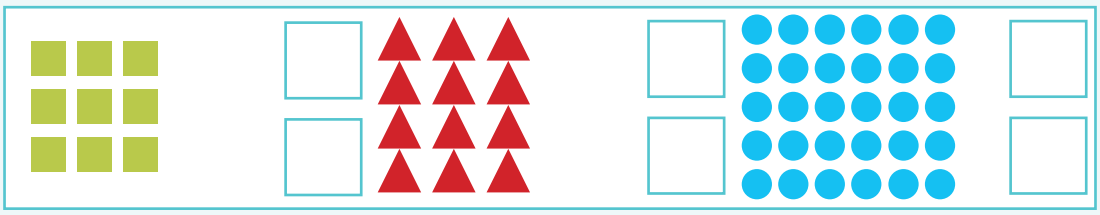


How did you use the columns and rows to help you?

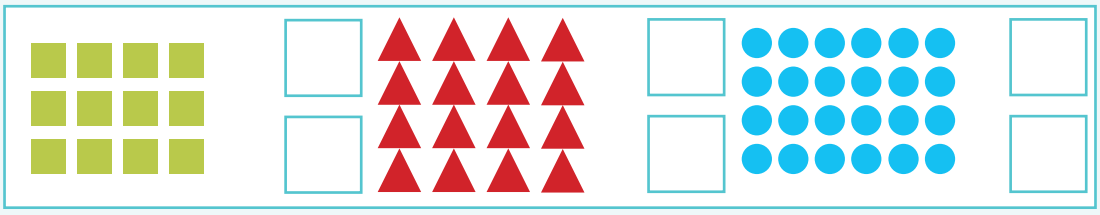
How many shapes are there? What is one **half** of the shapes?



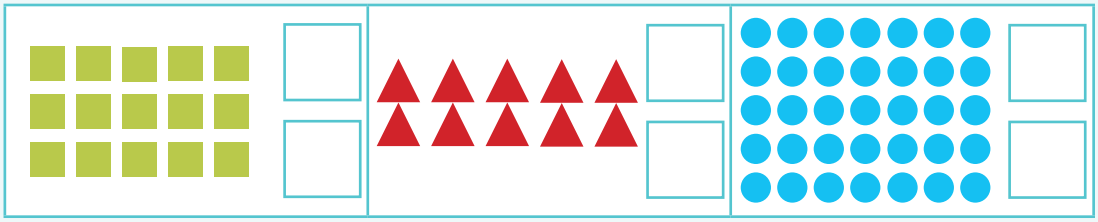
How many shapes are there? What is one **third** of the shapes?

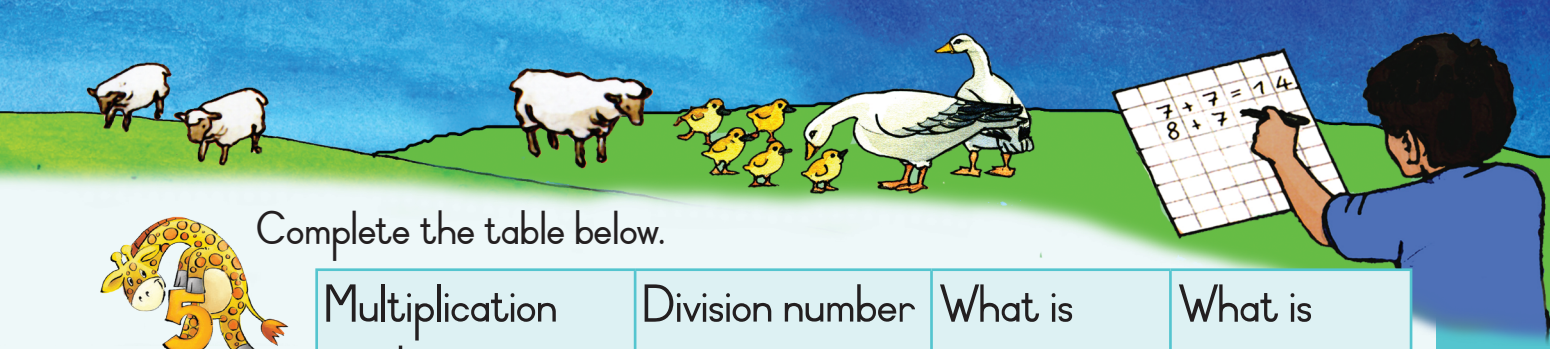


How many shapes are there? What is one **quarter** of the shapes?

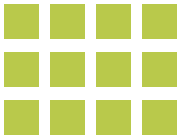
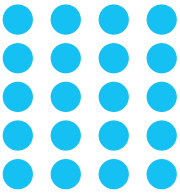


How many shapes are there? What is one **fifth** of the shapes?





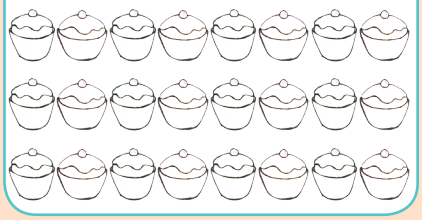
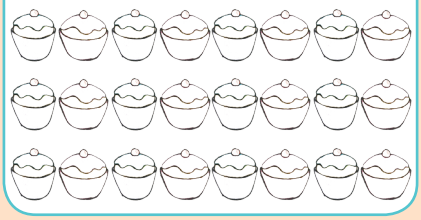
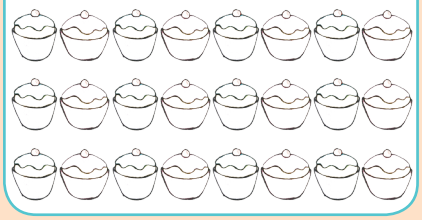
Complete the table below.

	Multiplication number sentence	Division number sentence	What is	What is
	$2 \times 3 = 6$ or $3 \times 2 = 6$	$6 \div 2 = 3$ or $6 \div 3 = 2$	one half of the objects? 3	one third of the objects? 2
			one third of the objects?	one quarter of the objects?
			one quarter of the objects?	one fifth of the objects?

Use arrays to show:

One quarter of 12 sweets.	One third of 12 sweets.	One half of 12 sweets

My mother baked 24 cupcakes for each of the following home industries. This is what they ordered. Make use of the cupcake pictures to guide you.

one half strawberry and the rest vanilla	one quarter chocolate and the rest vanilla	one third caramel and the rest vanilla
		

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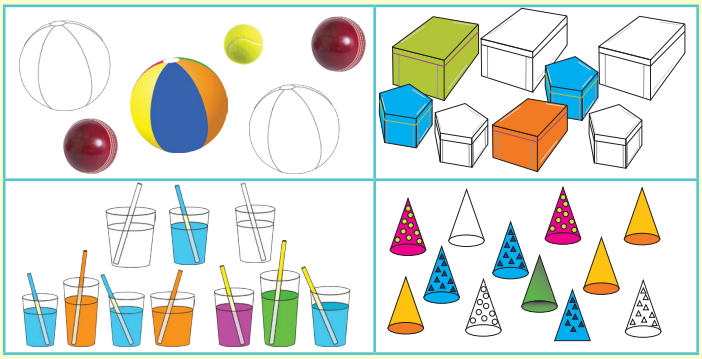
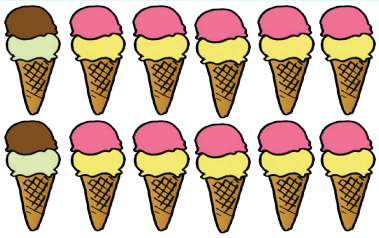
A fraction of a collection of objects

Look at the descriptions and match them with the pictures to show what fraction of the objects are coloured. Talk about it.

1 half of a collection of objects
1 third of a collection of objects
1 quarter of a collection of objects
1 fifth of a collection of objects



Make your own sentence on the pictures below. You need to add some fraction words to your sentences.



2 Solve the word problems. My mother had a jumble sale ...

She had 15 T-shirts. She sold 5. What fraction did she sell? Underline the question. What are the key numbers? _____ Draw a picture to show your answer.	She had 18 jerseys. She sold 9. What fraction did she sell? Underline the question. What are the key numbers? _____ Draw a picture to show your answer.
She had 12 skirts. She sold 3. What fraction did she sell? Underline the question. What are the key numbers? _____ Draw a picture to show your answer.	She had 20 jackets. She sold 4. What fraction did she sell? Underline the question. What are the key numbers? _____ Draw a picture to show your answer.

3

What fraction of the cupcakes has banana icing? ☐

Strawberry icing? ☐ Bubblegum icing? ☐

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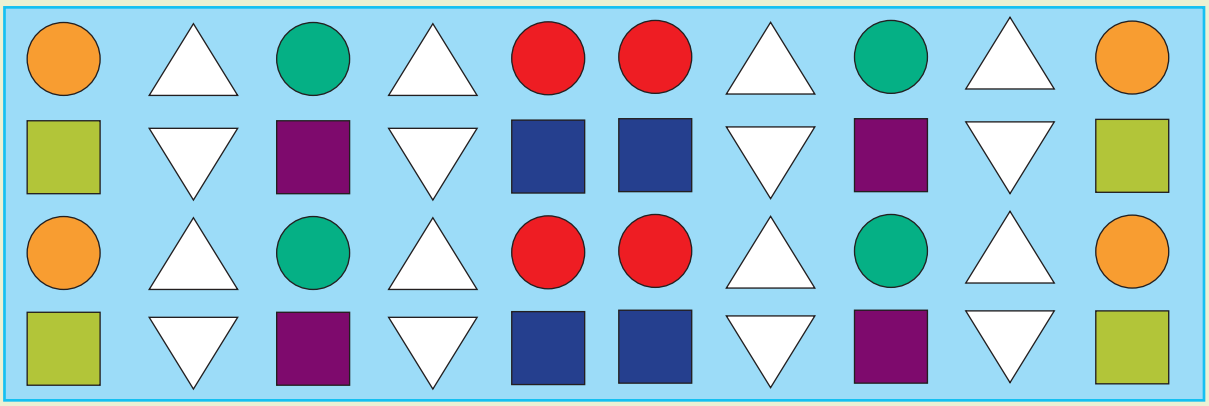
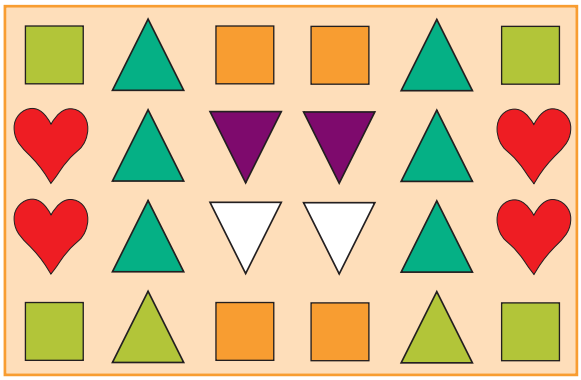
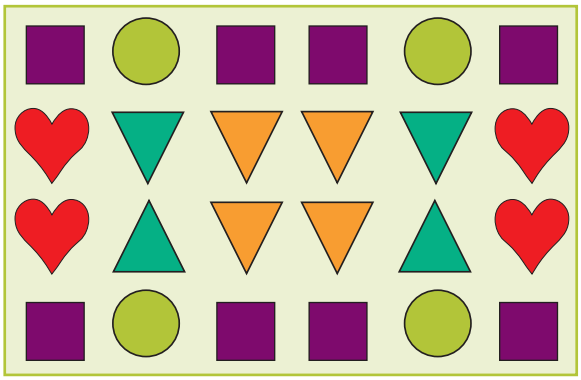
Symmetry in patterns

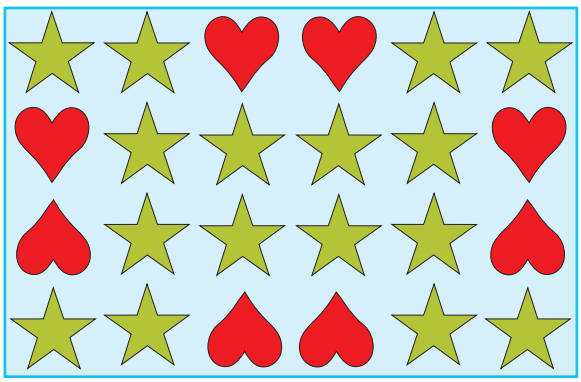
1 Look at the pictures of the quilt. What do you notice?

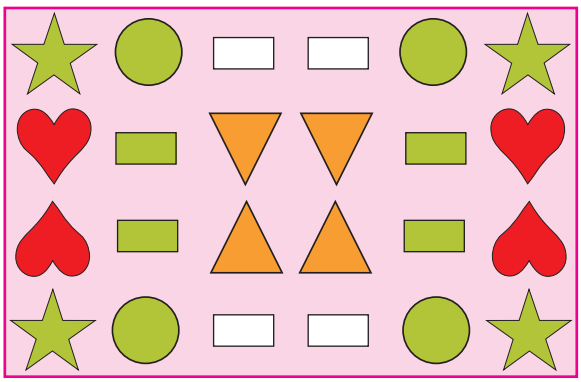


2 Draw lines so the one side of each of these quilts looks the same as the other side.

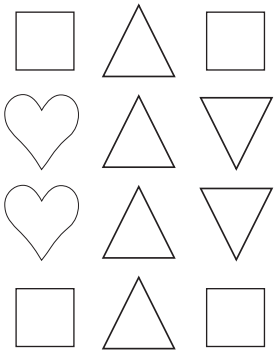


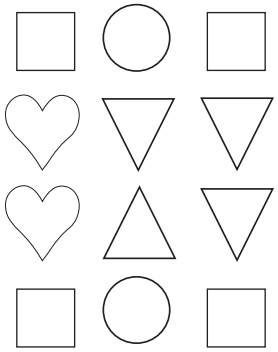


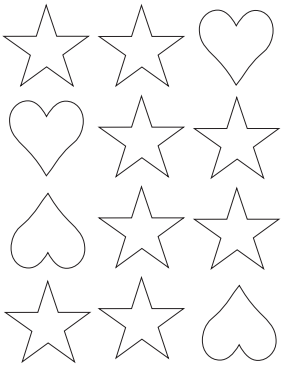


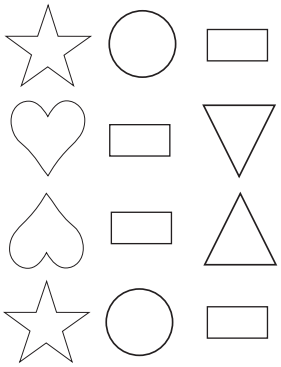


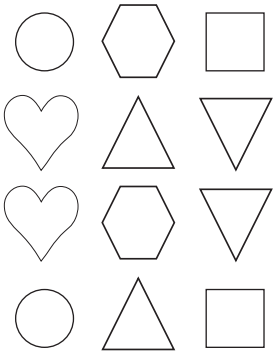
Draw the other side of each quilt. Colour them.

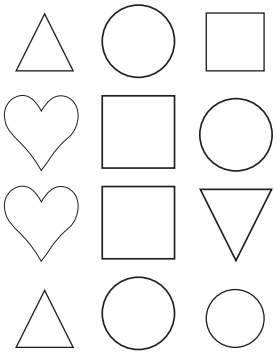








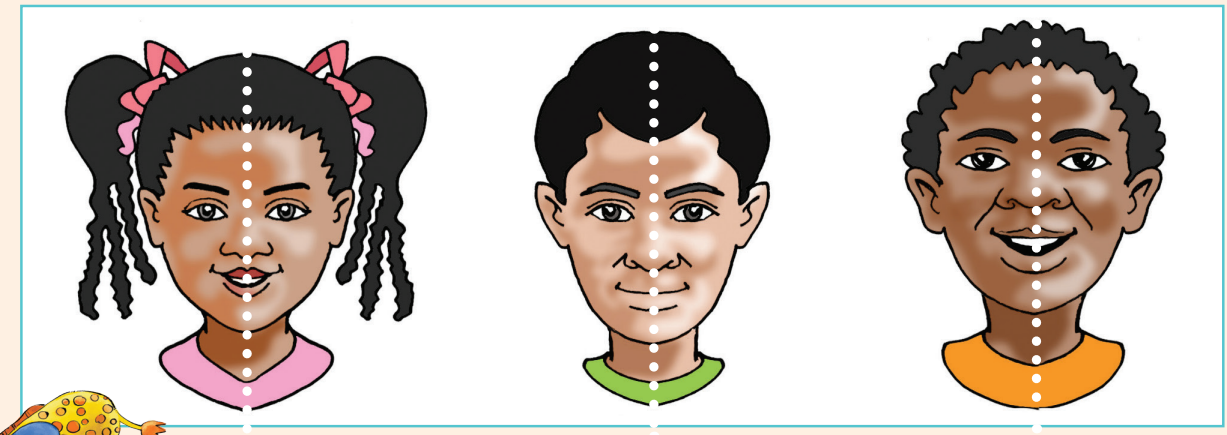




Date:

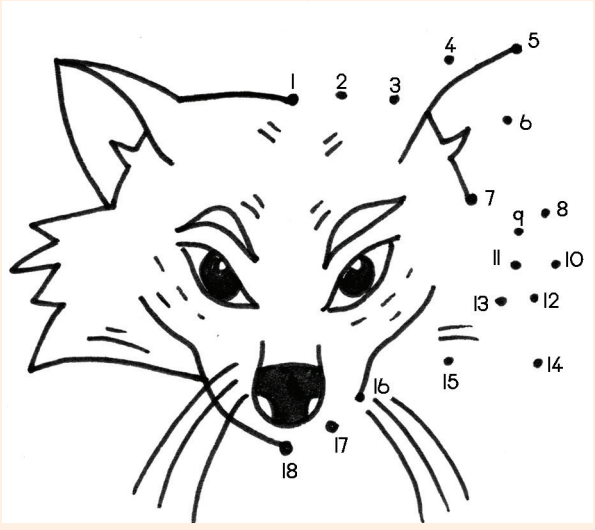
More symmetry

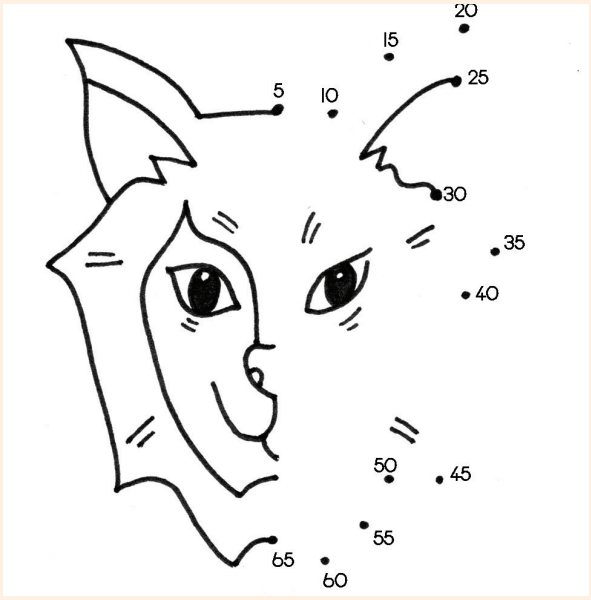
1 Look at the pictures of the faces.
Does the one side of the face look the same as the other side?



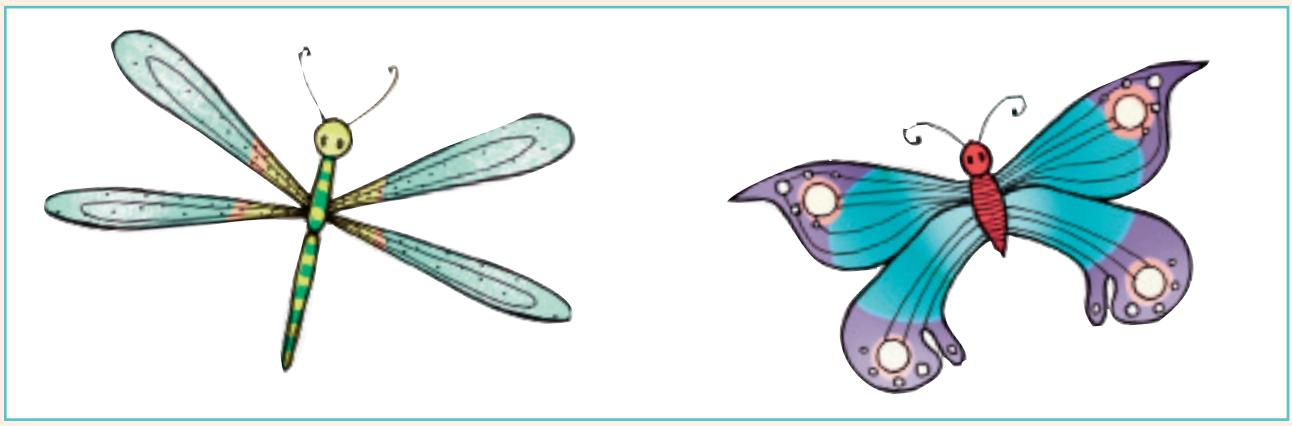
2 Draw a line so the one side of the face looks the same as the other side.

3 Draw the other side of the face.
The number patterns will help you.

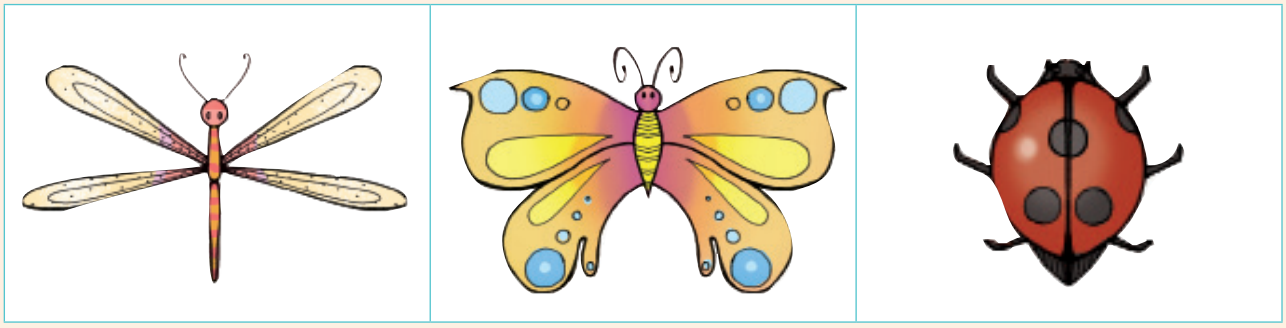




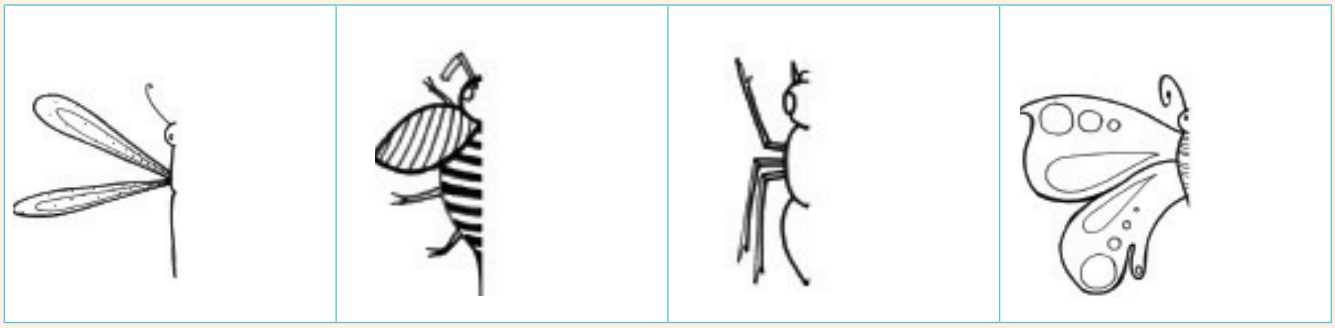
Look at the pictures of the shapes. Does the one side of the insect look the same as the other side?



Draw a line so that the one side of the insect looks the same as the other side.



Draw the other side of the insects.



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