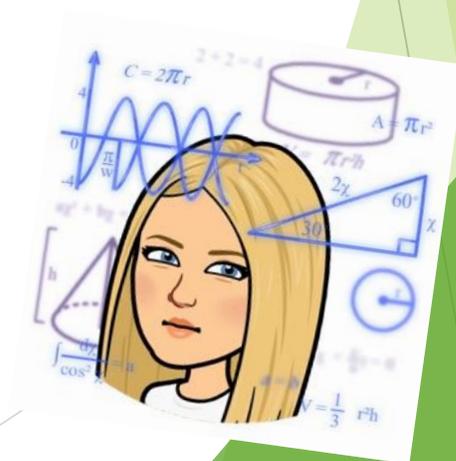




Maths week beginning 13th July



Please see the timetable below for your group:



	Monday	Tuesday	Wednesday	Thursday	Friday
Group A	<p>Live session: English day 1 VIPERS</p> <p>Maths day 1: (independent) CGP book pages 34 and activities on the Power Point slides.</p>	<p>Maths: day 2 (Independent) Pictograms</p> <p>English: day 2 (independent) Adverbs</p>	<p>Live session:</p> <p>Maths: Day 3 – More Pictograms</p> <p>English: day 3 (independent) Apostrophes</p>	<p>English: day 4 (independent) Suffixes</p> <p>Maths day 4 (independent) – Block graphs and bar graphs</p>	Catch-up day
Group B	Catch-up day	<p>Live session: English day 1 VIPERS</p> <p>Maths day 1: (independent) CGP book pages 34 and activities on the Power Point slides.</p>	<p>Maths: day 2 (Independent) Pictograms</p> <p>English: day 2 (independent) Adverbs</p>	<p>Live session:</p> <p>Maths: Day 3 – More Pictograms</p> <p>English: day 3 (independent) Apostrophes</p>	<p>English: day 4 (independent) Suffixes</p> <p>Maths day 4 (independent) – Block graphs and bar graphs</p>

Day 1 - Tally charts

This week we are going to learn about statistics and collecting data.

Day 1 Learning Objective:

To understand and know how to create a tally chart.

To interpret a tally chart

Start by watching this video clip about tally charts.

<https://www.bbc.co.uk/bitesize/clips/z7r9jxs>

Then complete page 34 in your CGP book and the following slides. You can print the slides or write the answers straight in to your exercise book.

1 Draw tally marks to represent each number.

a) 5

c) 4

b) 10

d) 16

2 There are some socks on a washing line.

The socks are spotty, stripy or plain.



Complete the tally chart.

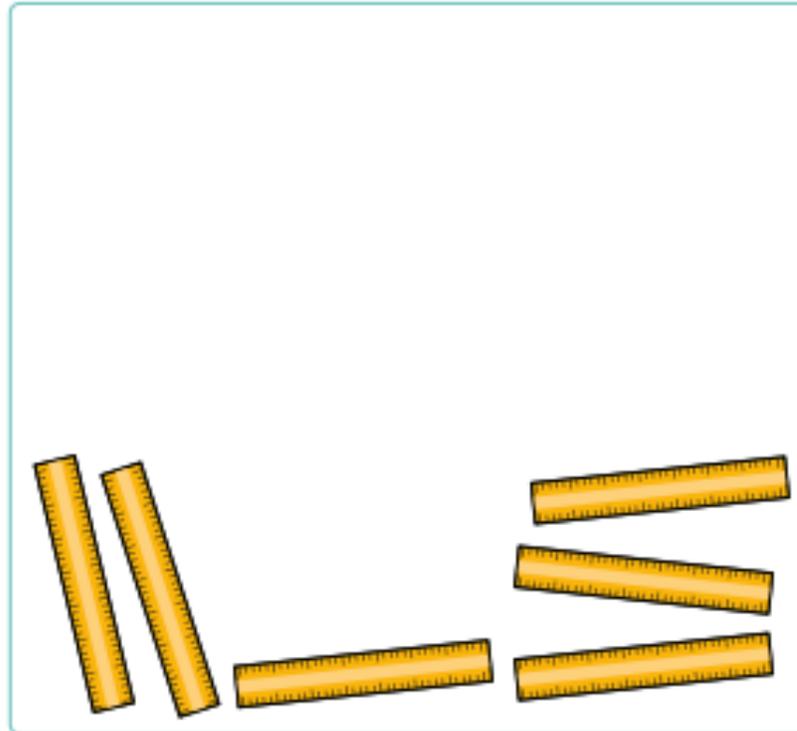
Sock	Tally
spotty	
stripy	
plain	

3

Class 2 tally the number of pencils, rubbers and rulers they have.

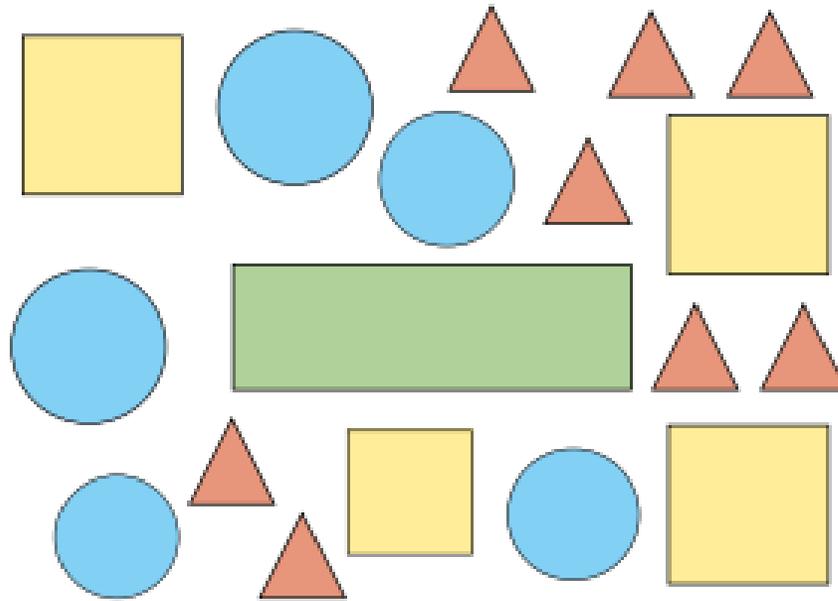
Item	Tally
pencils	IIII
rubbers	IIII IIII
rulers	IIII I

Draw the items. The rulers have been drawn for you.



Here are some shapes.

4



a) Complete the tally chart to show how many of each shape there are.

Shape	Tally	Total
		5

- 5 Whitney, Teddy and Jack tally how many jumps they can do in a minute.

Jumps	Tally	Total
Whitney	JHT I	
Teddy	IIIIIIII	
Jack	IIII	

a)



Do you agree with Whitney? _____

Explain your reasons.

b) How could Teddy's tallying be improved?

Challenge:

Can you make your own tally chart? You can choose anything you like. Here are some examples.

Name: _____ Date: _____

L10: To record information and interpret information from tally charts

Biscuit	Tally	Total
 Chocolate Digestive		
 Custard Cream		
 Rich Tea		
 Jommy Dodger		
 Bourbon		

What was the most popular biscuit? _____

What was the least popular biscuit? _____

Favorite Pets		
Pet	Tally Marks	Number
		10
		4
		6

Favorite Fruits		
		
		
		

Day 2

Learning Objective:

- To complete, understand and interpret pictograms.

Watch the BBC Bitesize video clip about pictograms

<https://www.bbc.co.uk/bitesize/clips/zg4d2hv>

- 1 The pictogram shows what some teachers had for school lunch.

Lunch	
Fish	
Chicken	
Spaghetti	
Salad	

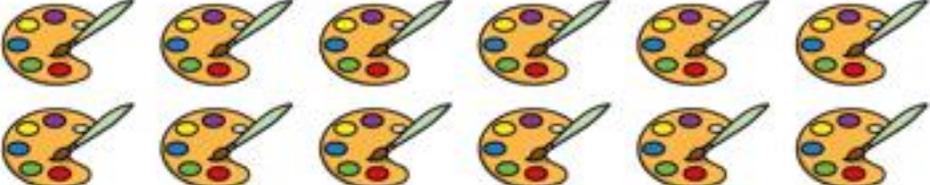
Key
 = 1 lunch

- a) Which lunch did the most teachers have?
fish chicken spaghetti salad
- 2 b) Which lunch did the least teachers have?
fish chicken spaghetti salad
- c) How many teachers had chicken?

- 3 Class 1 were asked to choose their favourite colour out of yellow, green, blue and purple.

The pictogram shows the results.



Colour	
Yellow	
Green	
Blue	
Purple	

Key  = 1 child

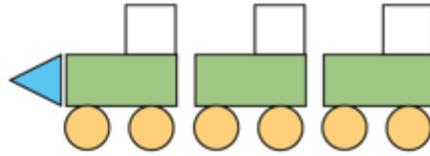
3 a) How many children chose yellow?

b) How many children chose green?

c) How many more children chose purple than blue?

How did you work this out?

- I** Some children make a picture using shapes.



- a)** Complete the pictogram to show how many of each shape they have used.

Key

Shape	X = 1 shape
Square	X X X <input type="text"/>
Rectangle	<input type="text"/>
Circle	<input type="text"/>
Triangle	<input type="text"/>

- I** **b)** What do you notice about the number of squares and the number of rectangles?

- 3 Pencils, rubbers and rulers have been mixed up in a tub.

The tally chart shows how many of each item there are.

Item	Tally
pencils	IIII
rubbers	IIII IIII
rulers	IIII I

- a) Use the tally chart to complete the pictogram.

Item	
Pencils	○ ○ ○ ○
Rubbers	
Rulers	

Key

○ = 1 item

ChALLENGE

Give
it a go



- 4 Eva's friends vote for their favourite fruit. She draws a pictogram and says it shows:
- the same votes for apple and pear
 - melon got the fewest votes
 - plum got the most votes
 - grape got only 1 vote
 - grape got fewer votes than pear.

Think carefully which statement you need to start with.

You can draw the chart in your exercise book or print it.

- 4 a) Draw a possible pictogram so that Eva's statements are true.

Grape	Melon	Apple	Plum	Pear

- b) Draw a key for the pictogram.

= 1 vote

Day 3

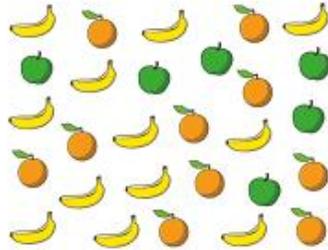
live lesson



We are doing this lesson together.

Draw pictograms (2, 5 and 10)

1 Here is some fruit.



a) Complete the tally chart.

Fruit	Tally	Total
Apples		6
Oranges		10
Bananas		12

1 b)



I will use a circle for each piece of fruit.

Draw Dora's pictogram.

Key

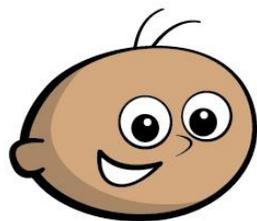
 = 1 piece of fruit

Fruit	
Apples	
Oranges	
Bananas	





1 c)



I will use a circle for every
2 pieces of fruit.

Draw Tommy's pictogram. **Key**

 = 2 pieces of fruit

Fruit	
Apples	  
Oranges	    
Bananas	     

d) Whose pictogram do you prefer? Why?



Dora, Dexter and Jack play basketball at break time.

They record the goals they score in a pictogram.

Name	Goals
Dora	
Dexter	
Jack	

Key
 = 2 goals

I a) Complete the sentences.

Dora scores goals.

Dexter scores goals.

Jack scores goals.

How many more goals did Jack score than Dora?

- 2 Class 2 vote for whether they would like to play tennis, football or netball.

The tally chart shows the votes.

Sport	Tally	Total
Tennis		5
Football		20
Netball		10



In your book or on a piece of paper draw the circles to show the sport the children would like to play.

Remember that each circle stands for 5 or 10 votes.

Sport	
Tennis	
Football	
Netball	

Key

 = 5 votes

b) Complete the pictogram.

Sport	
Tennis	
Football	
Netball	

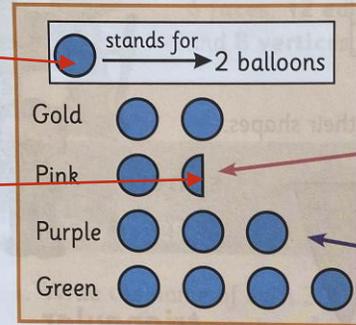
Key

 = 10 votes

This is a page in your CGP book. Here they use fractions of a circle in the pictogram. If a full circle stands for 2 balloons, what does half a circle mean?

How It Works

In a pictogram, **pictures** are used to show numbers. This pictogram shows the **colour of balloons** at a party.

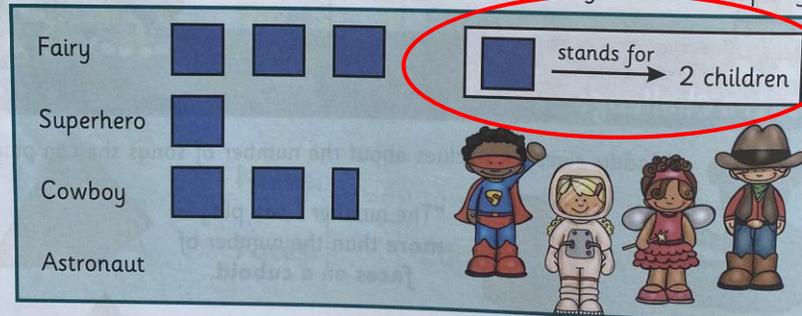


Half a circle stands for 1 balloon. $2 + 1 = 3$ balloons are pink.

There are **2 more green balloons** than purple balloons.

Now Try These

1. This pictogram shows the fancy dress costumes worn by children at a party.



a) How many children dressed as cowboys?

b) 3 children dressed as astronauts. Show this on the pictogram.

c) Which costume was the most popular?

One square means 2 children. What does half a square mean?

In this pictogram one circle means 4 cup cakes.

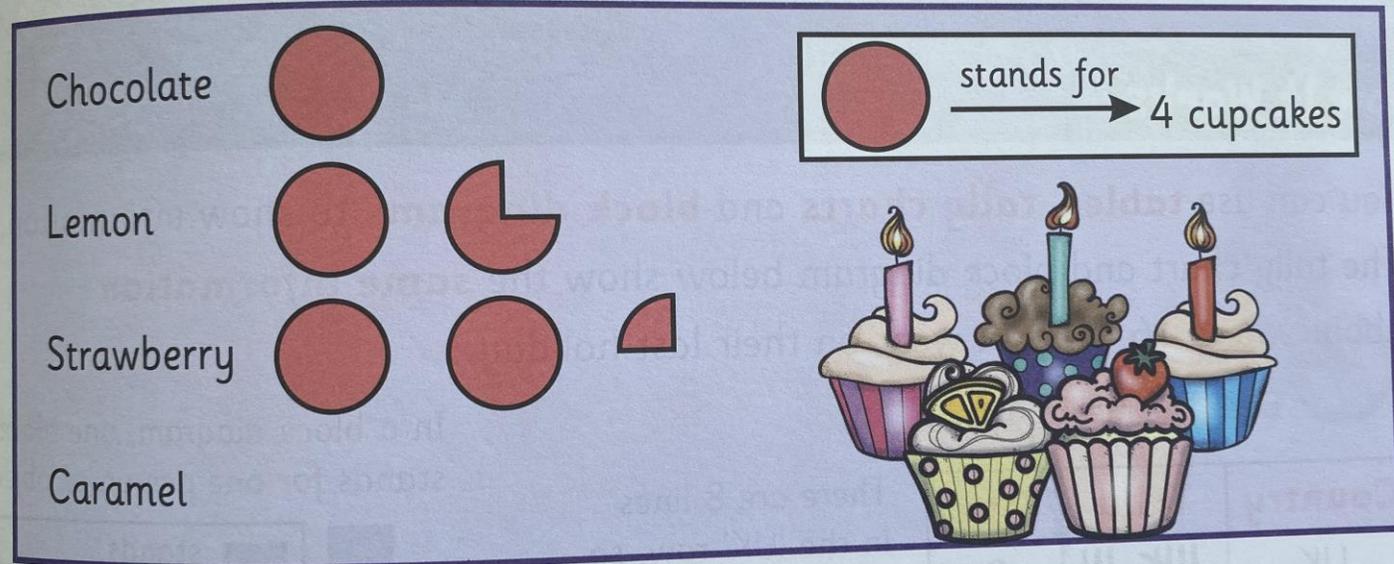
What does $\frac{1}{2}$ a circle mean?

What does $\frac{1}{4}$ of a circle mean?

What does $\frac{3}{4}$ of a circle mean?

Now complete pages 32 and 33 in your CGP book.

2. This pictogram shows the different flavours of cupcakes at the party.



a) How many strawberry cupcakes are there?
.....

b) How many more lemon cupcakes are there than chocolate?
.....

After you have completed the activities in your CGP book go on to the challenges on the next few slides.

Challenges

If you want to challenge yourself you can complete the work on the next few slides.

You can do all of them or just some.

Give
it a go



Challenge

The tally chart shows the weather for 55 days.

Weather	Tally
Sun	
Cloud	
Rain	

- a) Draw a pictogram to show this information
Choose your own key.

Weather	

Key



- 2 Two classes go on a trip to the zoo together.

There are two coaches to take both classes.

	Coach 1		Coach 2
Boys	 	Boys	 
Girls	 	Girls	   

Key

 = 10 children

Tick the correct answer.

- a) Which coach has more boys?

Coach 1 Coach 2 They have the same

- b) Which coach has more girls?

Coach 1 Coach 2 They have the same

- c) How many girls are there in total?

- d) How many more girls than boys are there on Coach 2?

- e) How many more girls than boys are there on the trip to the zoo?

- f) How did you work out the answer to part e)?

- 3 At the zoo, Mo keeps a record of how many big cats he sees.

Big Cat	
Leopard	
Cheetah	
Lion	
Tiger	

Key
 = 2 big cats

- a) Choose a word to complete the sentence.

more

fewer

There are _____ leopards than lions.

There are _____ lions than cheetahs.

- b)



If I add the number of cheetahs and lions together then it will be equal to the number of tigers.

Is Rosie correct? _____

How do you know?

c)



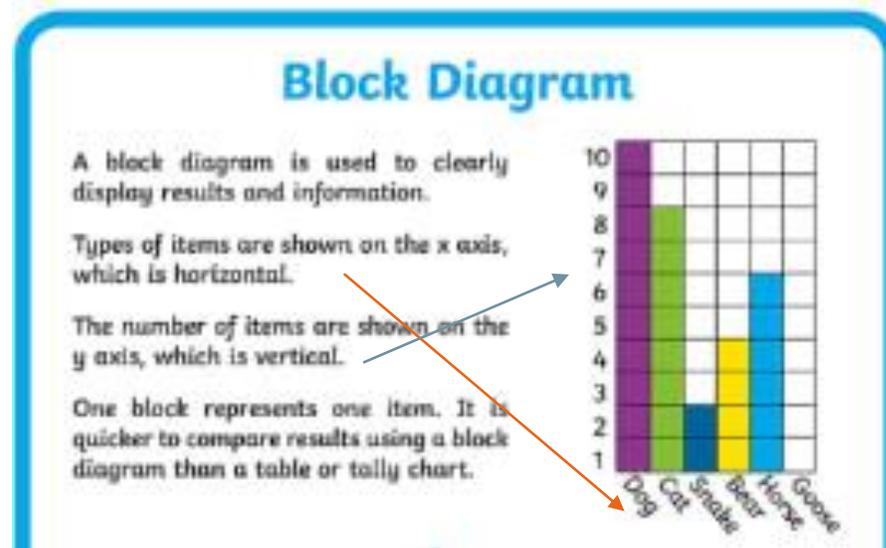
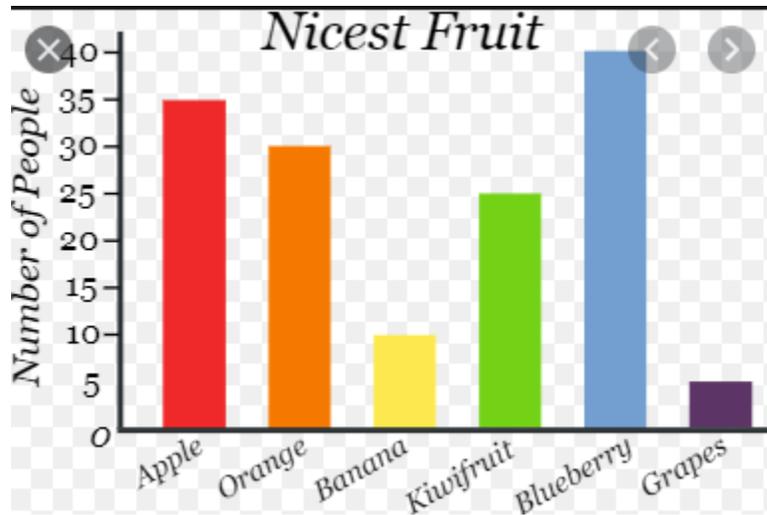
Each  represents 2 big cats so I can just double the amount of  and that will be how many big cats there are.

Is Alex correct? _____

How do you know?

Day 4

Block graphs and Bar graphs



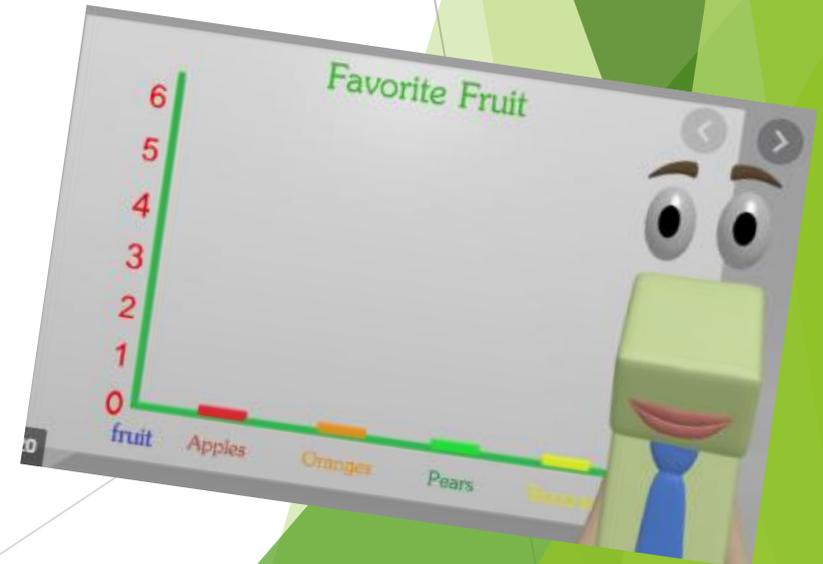
Learning Objective:

- To understand and be able to create block graphs and bar graphs.
- To interpret block and bar graphs.

Start by watching this video clip about bar graphs.

<https://www.youtube.com/watch?v=oYXmY5axC2I>

Then complete the following slides and page 35 in your CGP book.



I The block diagram shows children's favourite colours.

How many children prefer orange?

Which colour is the most popular?
Which colour is the least popular?

How many children like blue and red?

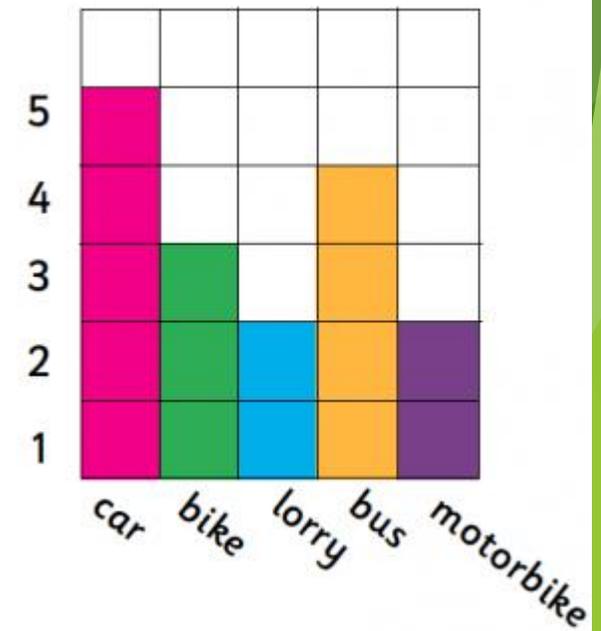
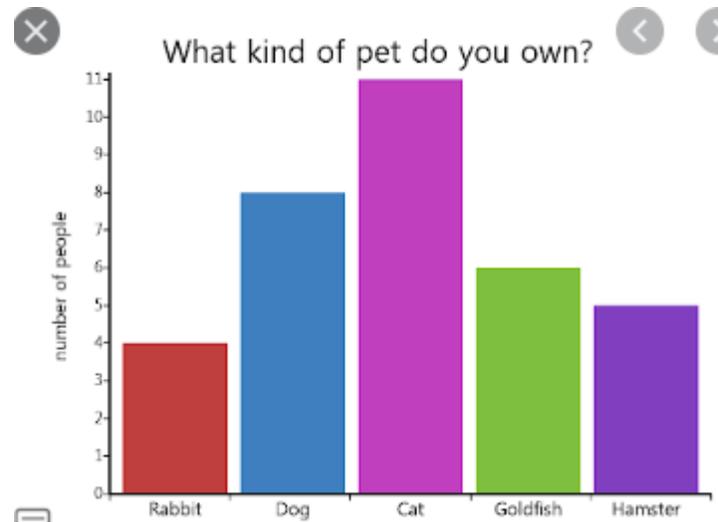
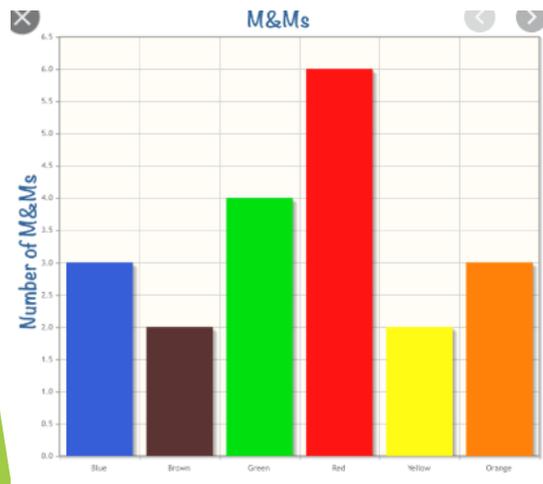


- I** d) How many people chose orange as their favourite?
- e) How many more people like yellow than orange?
- f) How many more people like yellow than red?
- g) How did you work out your answers to e) and f)?

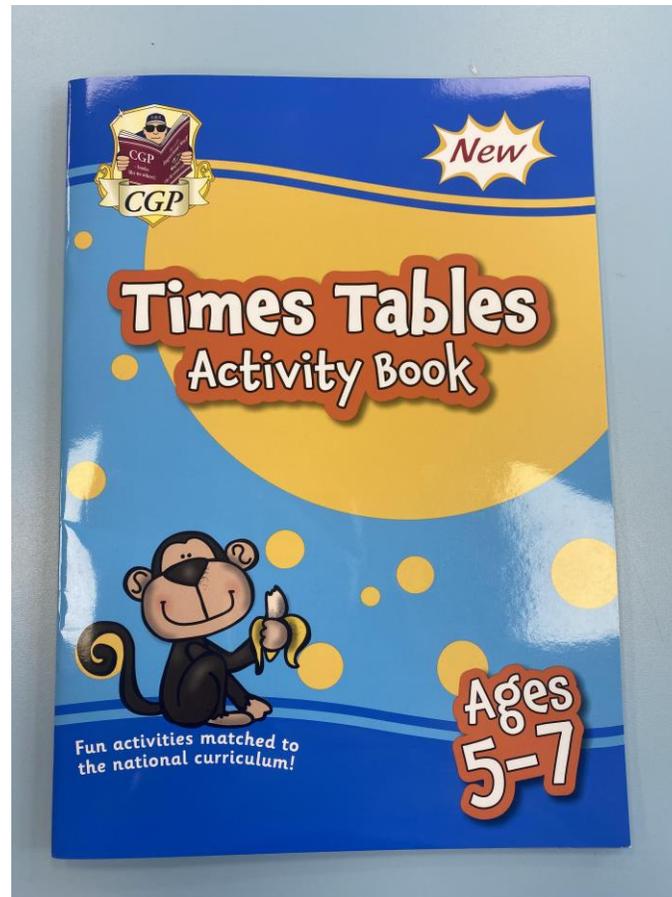


Extension activities

Can you create your own block or bar graph? Draw it in your exercise book.
You can choose the data you want to collect. Here are some examples.
Remember to include a title and numbers up the side.



If you want to do more maths please use the Times Tables book.





Have a lovely holiday. I have really enjoyed teaching you.

