

# Data Handling

## Tally Charts

Complete the **total column** in the tally chart below:

Favourite Animal	Tally	Total
Dog		
Cat		
Snake		
Bear		
Horse		
Shark	/	

What does the data tell you?

Complete the tally chart using the **total column**.

Favourite Ice cream flavour	Tally	Total
Vanilla		4
Chocolate		7
Strawberry		10
Mint choc chip		4
Pistachio		2
Cookies and Cream		5
		32

- Which was the most popular flavour?
- Which was the least popular flavour?
- How many children altogether liked Cookies and cream and Mint choc chip?
- How many children liked Chocolate?
- How many children took part altogether?





Make up a Tally Chart for favourite sports.

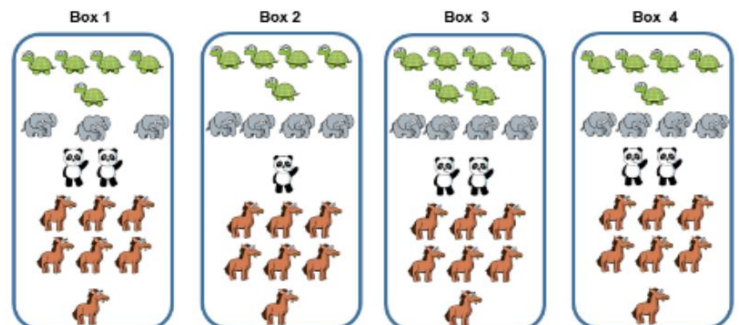
To challenge yourself can you pretend you asked 30 people in total?

Sport	Tally	Total

Reasoning:

Dexter makes a tally chart of the animals he saw at the zoo

Animal	Tally
	
	
	
	



Which box shows all the animals that Dexter saw?

Box .....showed all the animals that Dexter saw.

Class 1	
Flavour	Total
Vanilla	
Chocolate	
Strawberry	
Mint	

Class 2	
Flavour	Total
Vanilla	
Chocolate	
Strawberry	
Mint	

These tally charts show Class 1 and Class 2s favourite milkshake flavours.

What is the same?

What is different?

Complete the Pictogram below:

Hair Colour		Total
Black	● ●	2
Brown	● ● ● ● ● ●	
Blonde		4
Red	●	

Key

● = 1 person

Use the tally chart to help you complete the pictogram.

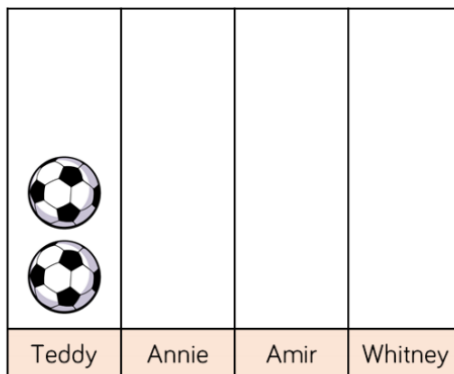
Fruit	Tally	Fruit	
Banana		Banana	
Grape		Grape	
Pear		Pear	
Apple		Apple	○ ○ ○

Key


○ = \_\_\_\_

Complete the pictogram using the data given.

Name	Tally
Teddy	
Annie	
Amir	
Whitney	



Key

 = 1 goal

Can you write 3 questions to ask about your completed pictogram and the goals scored?

1)

2)


3)



Here is a pictogram to show Class 5s favourite t-shirts.



Key

 = 1 T-shirt

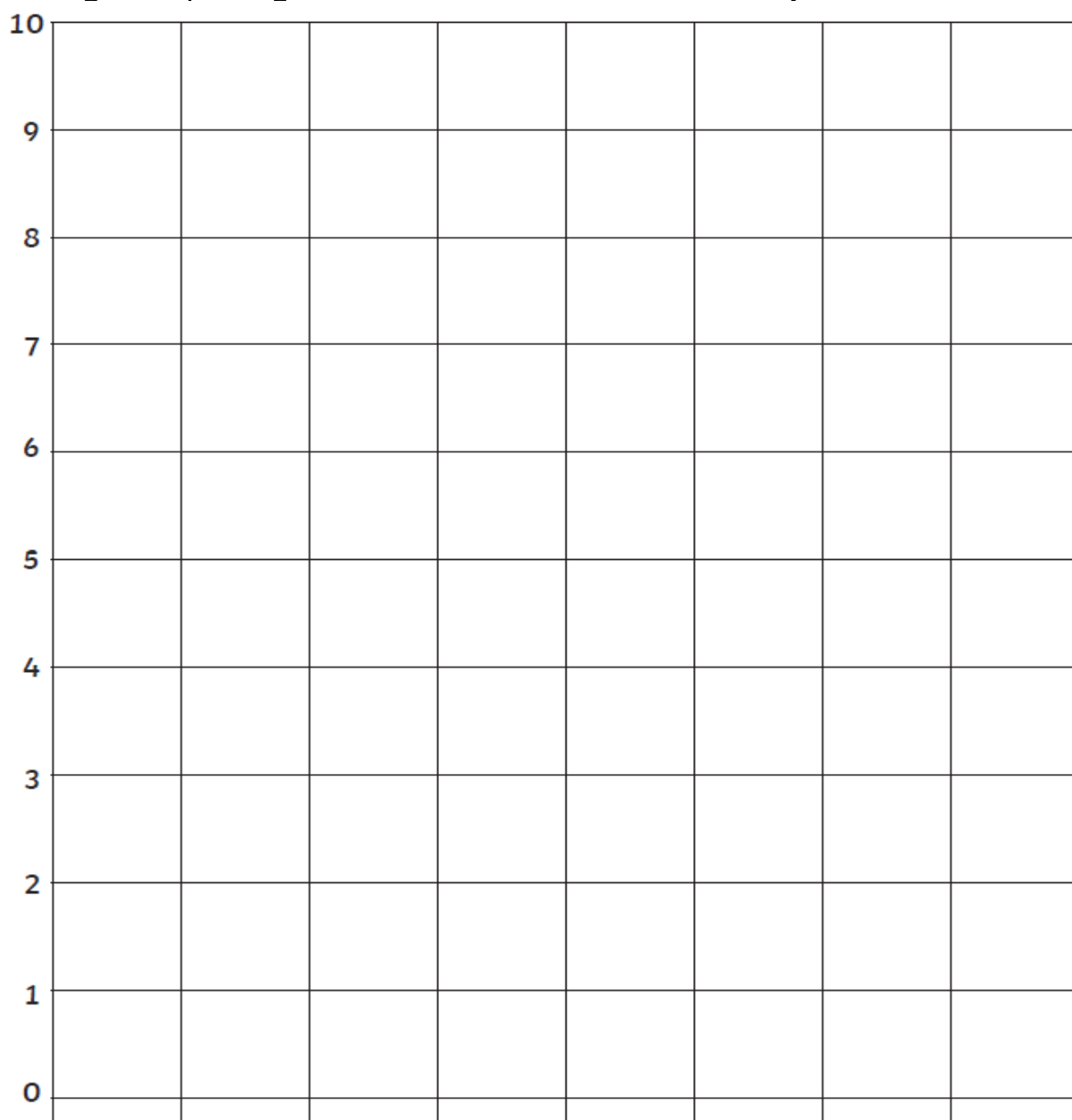
What is the most popular colour t-shirt?

What colour is the least popular t-shirt?

How many more children chose blue t-shirts than red?

How many children are in Class 5?

1. Look and complete the tally chart below.
2. Use the information to complete the scaled pictogram using pictures of the minibeasts.
3. Using the pictogram answer the mini beast questions.

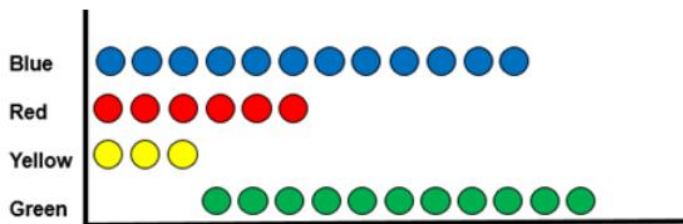


Mini Beasts	Tally	Total
Woodlouse		
Centipede		
Ladybird		
Worm		
Spider		

1. There are \_\_\_\_ ladybirds.
2. There are \_\_\_\_ centipedes and worms altogether.
3. There are \_\_\_\_ more worms than centipedes.
4. What else does the pictogram tell us?

## Problem Solving

Here is a pictogram.



The most popular colour sweet is green.

I agree with Eva because...

Do you agree with Eva?

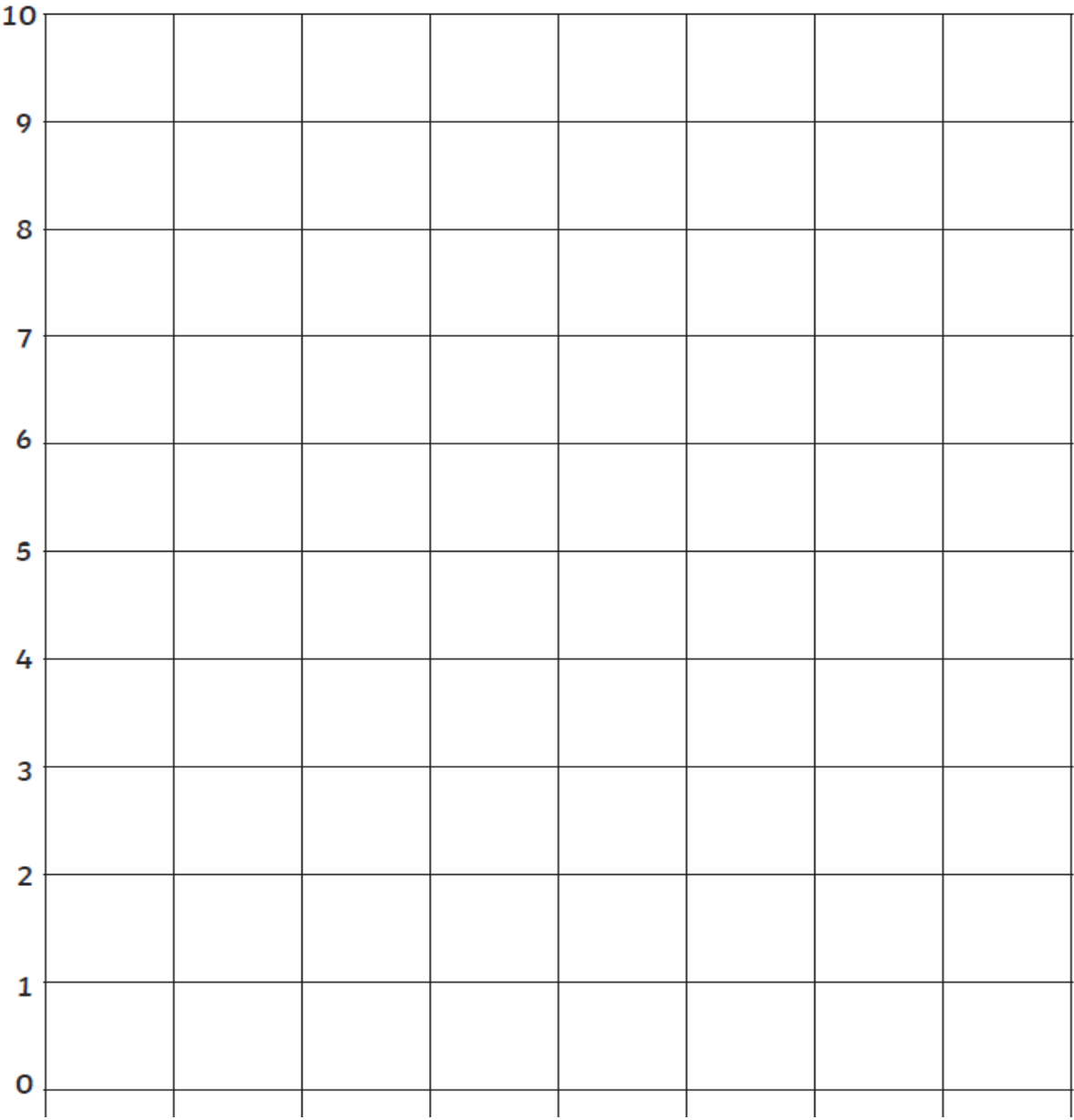
Block diagrams:

Class 4 are collecting data about favourite colours.

Colour	Number of children
Red	5
Green	8
Blue	7
Yellow	2

Make a block diagram using cubes to represent the data.  
Now draw the block diagram.  
What will the title be?  
Remember to label the blocks

Title:





5 classes collected their house points.

Here are their results.

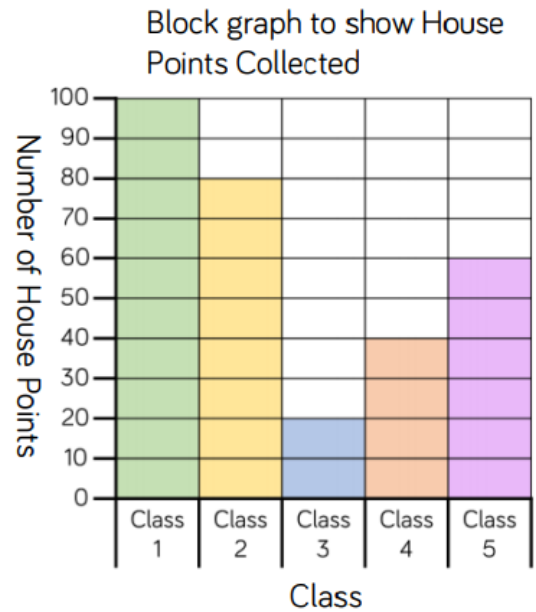
Which class collected the most house points?

Which class collected the fewest house points?

How many more points did Class 2 get than Class 4?

How many fewer points did Class 3 get than Class 5?

How many points did Class 2 and Class 3 get altogether?



Apply your knowledge:

By now you should be an expert on block diagrams, pictograms and tally charts. Follow these steps to create a tally chart and either a pictogram or block diagram:

Can you think of a possible subject? It could be favourite colours, or favourite foods, or types of birds that visit my garden.

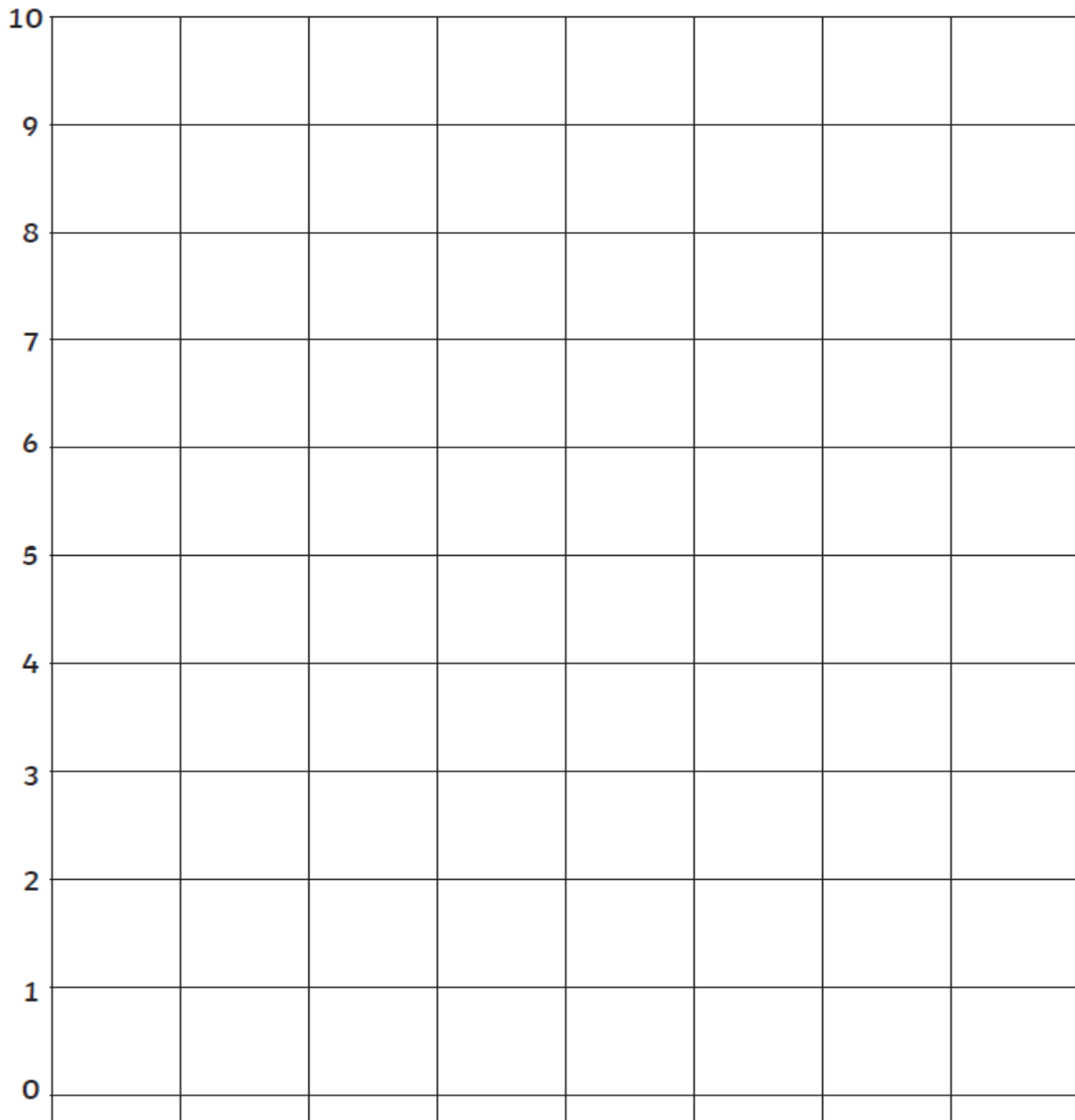
Next create a tally chart. You can ask people, observe or make up your answers.

	Tally	Total



After that decide if you are going to make a pictogram or a block diagram and show your tally chart answers.

Title:



Can you now write some questions about your pictogram/ block diagram.

**Helpful websites:**

**Purple Mash:**

Login, then go to Mathematics, then choose from 2count and 2graph

**Block graphs:**

<https://www.bbc.co.uk/bitesize/clips/zkf34wx>

**Using tally charts:**

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

**Understanding pictograms:**

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