



## Interpreting pictograms p.2

Use your maths talk to discuss the following with a grown up.

How can we represent 0 on a pictogram?

What does the pictogram show? What doesn't it show?

What is each symbol worth?

How many more sparrows are there than robins?

What is the total number of birds?

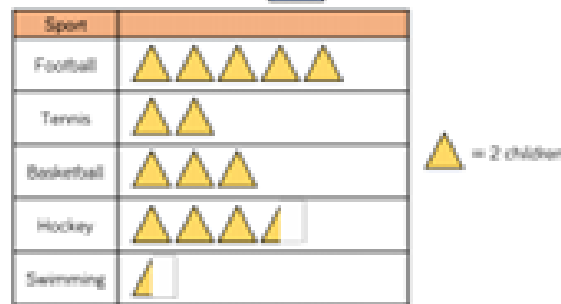
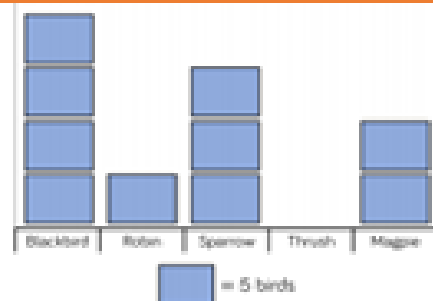
How did you calculate this?

Can you think of your own questions to ask a friend?

Which is the most popular sport?

How many children voted for football and swimming altogether?

What could the title of this pictogram be?



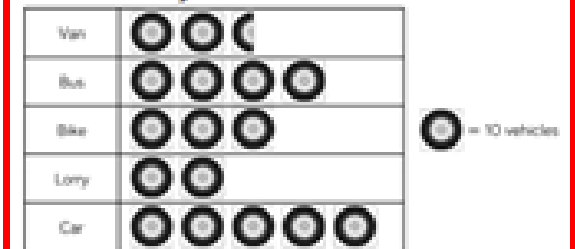
Use the pictogram to decide if the statements are true or false.

Animal	Number on farm
Pigs	6 stars
Sheep	5 stars
Horses	1 star
Chickens	4 stars
Cows	8 stars

Legend: 1 star = 10 animals

Statement	True or False?
Horses were the least popular animal.	
The number of chickens seen was half the number of cows seen.	
The total amount of pigs and sheep is 70.	
There were 8 cows on the farm.	
There were 10 fewer chickens than sheep.	

Jack and Whitney have carried out a traffic survey.



Jack says;



If I add the number of lorries and bikes together then it will be equal to the number of cars

Is he right? Convince me.

Whitney says;



To find the total number of vehicles I need to count the symbols. There are 16 and a half vehicles.

Is she correct? Explain your answer.

Ice creams sold in a week



Convince me

There are more ice-creams sold at the weekend than during the rest of the week.

## Block diagrams p.3

Use your maths talk to discuss the block diagram below with a grown up.

5 classes collected their house points.  
Here are their results.

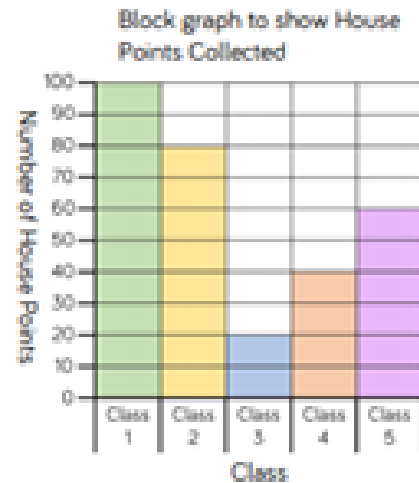
Which class collected the most house points?

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?

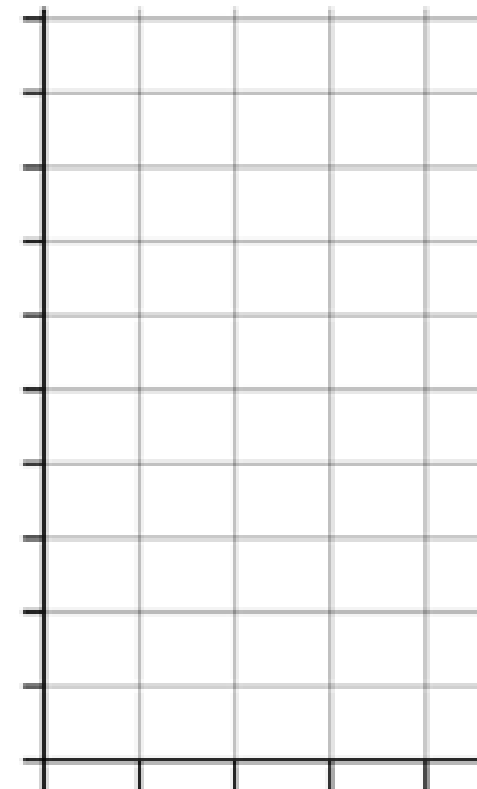


Can you draw a block diagram to represent the data?  
What will each block be worth?

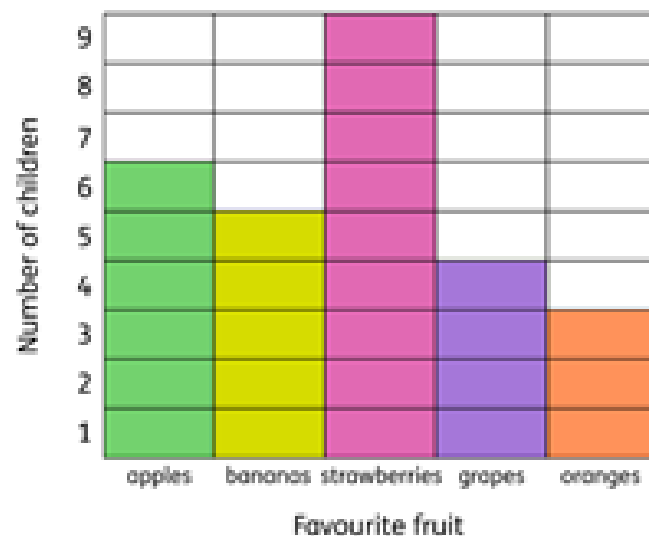
Class 4 are collecting data about favourite colours.

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 and draw a clear scale.



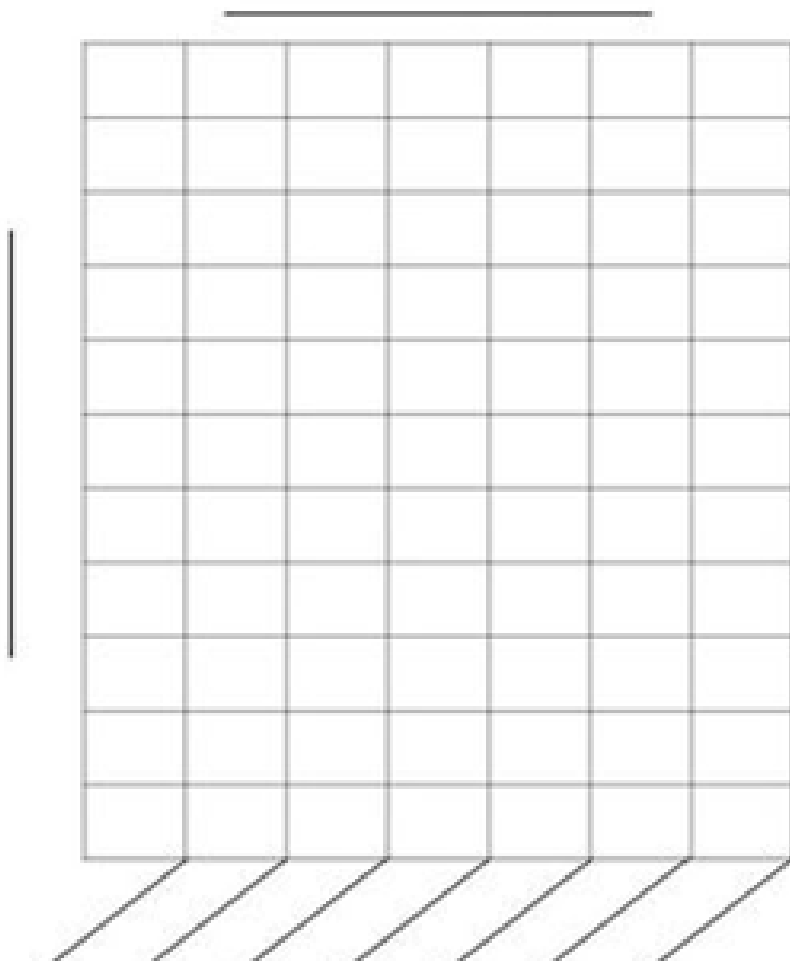
Which questions could you ask about this information?



## Block diagrams p.4

Can you make a block diagram to show favourite colours, fruit or animals in your family? Try and ask as many people as you can. I am happy to be emailed and asked!

Create your own questions to ask about the block diagram.



Here are three tables of data.

Which set of data could you display using the block graph?

Which could use the pictogram?

Which could use the tally chart?

Explain your reasoning.

Data Set 1

Team	Goals scored
A	20
B	32
C	27
D	16

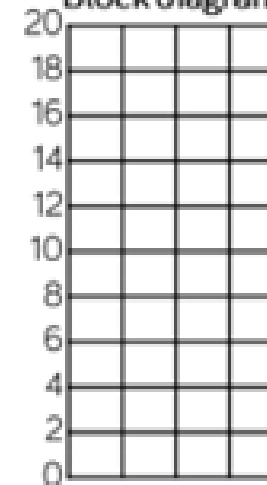
Data Set 2

Player	Points
1	20
2	65
3	80
4	45

Data Set 3

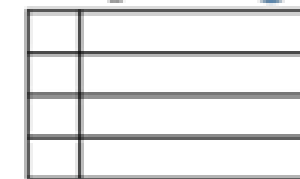
Name	Score
Ron	20
Eva	12
Amir	6
Mo	16

Block diagram



Pictogram

● = 10



Tally Chart

