

Solve the problems

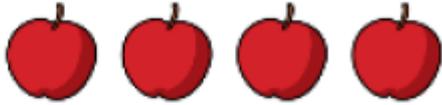
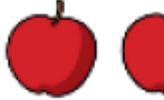
1

Complete the pictogram using the information.

Key: 1 apple = 8 apples

- Group 2 collected 40 apples.
- Group 4 collected half as many apples as Group 1.
- Group 5 collected 20 more apples than Group 3.

How many apples did each group collect?

Group	Apples
1	 32
2	 40
3	 12
4	 16
5	 32

2

Class 3 are counting the colour of cars that pass the school.

Red	Blue	Black	Silver	White	Other
12	6	14	10	14	2

Draw a pictogram to represent their findings.

A correctly drawn pictogram will show the correct amount of each of the coloured cars seen as well as a key to show how many each image represents.

You may have had one image represents 1 car or 1 image represents 2 cars.

Solve the problems

1

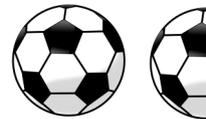
Ron, Amir and Alex record the scores of six football matches. Unfortunately, Ron spilt paint on them.

Record the results based on what the children remember.

Match	Number of goals  = 2 goals
1	
2	
3	
4	
5	
6	 



Match 1 had 3 more goals than match 3



Match 6 had 1 less goal than match 2



Match 4 had twice as many goals as match 3



Whitney and Teddy are making pictograms to show how many chocolate eggs each class won at the school fair.



Class	Number of eggs
1	
2	
3	
4	
5	
6	

Key
 = 5 eggs

Class	Number of eggs
1	
2	
3	
4	
5	
6	

Key
 = 10 eggs

What's the same and what's different about their pictograms?

Whose pictogram do you prefer and why?

Similarities—both pictograms are set out in the same way. They each use the same symbol—a pink egg and show the same data.

Difference—each pictogram uses a different key. In the first pictogram 1 picture is 5 eggs and in the second pictogram 1 picture is 10 eggs.

Preference is up to each individual. Some may argue pictogram two is preferred as there are less pictures to count.

Solve the problems

1

This is a graph to show how many text messages were sent each day.

Can you add a:

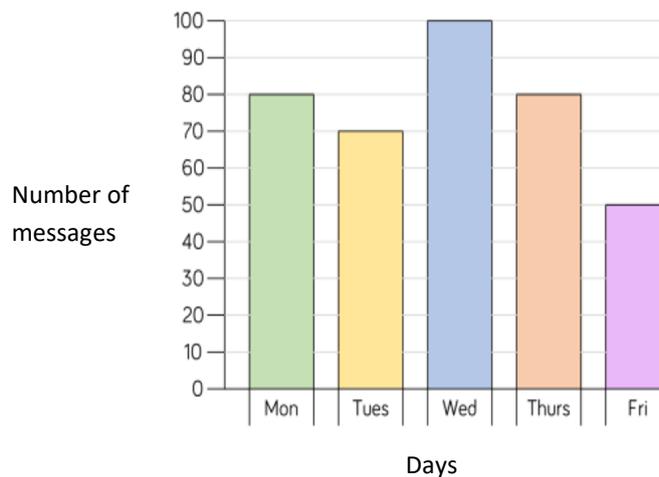
Title

Label each side

Answer these questions:

1. Which day were the least amount of messages sent? **Friday**
2. How many more text messages were sent on Monday to Friday? **30**
3. What was the difference in text messages from Tuesday to Friday? **20**

A bar chart to show the number of text messages sent in one day.



2

Here is a tally chart to show how many children are in each sports club.

Draw a bar chart to represent the data.

Sport	Tally	Total
Football		15
Tennis		
Rugby		
Cricket		
Basketball		

Any correctly drawn and labelled bar chart as shown above.

Your scale may differ e.g. it may go up in 1s, 2s, 5s or 10s.

Solve the problems

1

Which would be more suitable to represent this information, a bar chart or a pictogram?  
Explain why.

Child	Number of Skips in 30 Seconds
Teddy	12
Annie	15
Whitney	17
Ron	8

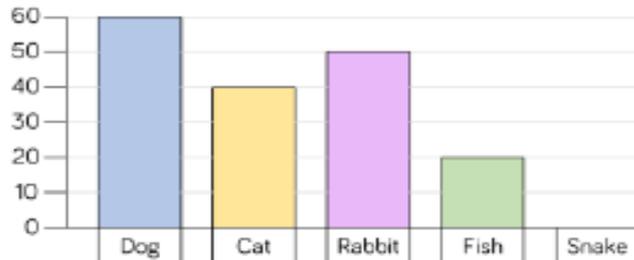
Suitability is up to the person looking at it but you must prove why you prefer that method.

E.g. I prefer using a pictogram as the images make it clearer to see.

E.g. I prefer using a bar chart as if I were to use a pictogram I would need to think carefully about the image. If I use one image for 1 skip I would need to draw 17 for Whitney. Therefore I think a bar chart might be better.

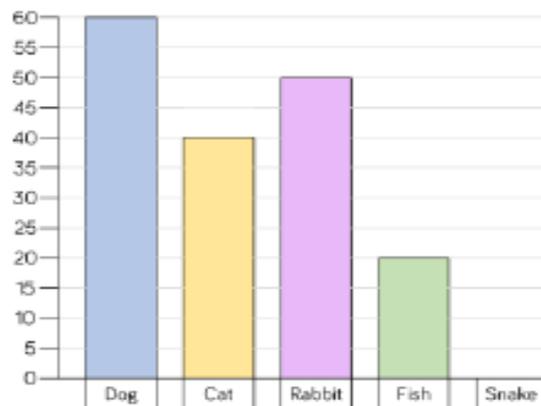
Rosie and Jack have drawn bar charts to show how many people have pets

Rosie says,



I asked more people because my scale goes up in larger jumps.

Jack says,



I asked more people because my bars are taller.

Who is correct? Explain why.

Neither are correct. Both of them have drawn the same bar chart.

The bar charts look different because they have used different scales. Rosie has counted up in tens but Jack has counted up in fives. This means that Jack's bars are taller than Rosie's