

## Statistics

Interpret and present data using bar charts, pictograms and tables.

- Transfer the following information into a table.

Year	Amount of children
	 = 4
1	
2	 +3
3	 +3
4	
5	
6	 +3

- Look at the above pictogram.  
**True or false?**  
Year 2 has double the amount of children Year 3 has.

- Which would be most suitable for this information?  
A bar chart or pictogram.  
Explain why.

Charity	Amount raised in a year (£).
Donkey Rescue	2790
Save the Rhinos	5650
Money for Meerkats	3000
Collecting for cats	4430

- What's the same and what's different about a bar chart and a pictogram?

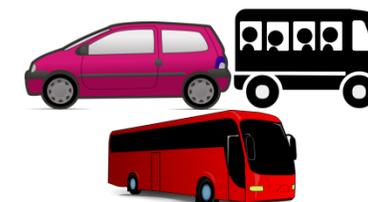
- 62 people are going to a football game. They can travel in a car, minibus or coach.

A car can hold 5 people.  
A minibus can hold 7 people.  
A coach can hold 15 people.

Each vehicle they take is full.

Decide how many of each vehicle is taken to the match.  
Choose a table to represent this information.  
Is this the only option?

*(If this is completed in a pictogram then the images can be printed out for children to move around.)*



It costs £150 to hire the coach.  
It costs £84 to hire a minibus.  
It costs £55 for the petrol in a car.

What would the cheapest option be for the whole group?

## Statistics

Solve one-step and two-step questions (for example, 'How many more?' and 'How many fewer?') using information presented in scaled bar charts and pictograms and tables.

Day	People at park
	 = 3
Mo	
Tu	 +3
We	+2
Th	
Fr	
Sa	 +3
Su	 +2

- How many more people went to the park on Sunday than Monday?
- How many fewer went to the park on Wednesday than the day after?
- How many people attended in the week if all the people were different?
- The next week 12 more people went on Saturday. How many went?

- **True or false?**  
At the park there 4 double swings and 6 single swings. Look at the table on the left. There weren't enough swings for the people at the park on Thursday.

- **Always, sometimes, never.**  
Pictograms can only have data where each row is a multiple of the key given.  
e.g. If the key equals 3 then only multiples of 3 can be in the pictogram.

- How many questions can you create for your partner for this set of data?

Day	Amount of hours shop open
Monday	6
Tuesday	8
Wednesday	8.5
Thursday	7
Friday	10
Saturday	12

- Look at the table above. The shop closes for 45 minutes each day so the workers can have their lunch. How many hours are the workers there in a week?
- Work in a group to work out how many hours you each spend sleeping a week. Consider what will be the best way to record these results so they can all be displayed in one graph.