

HELLO!

Today we are going to revise
statistics

Arithmetic Warm Up

Converting units of measurement

1. 5cm =

mm

2. 35mm =

cm

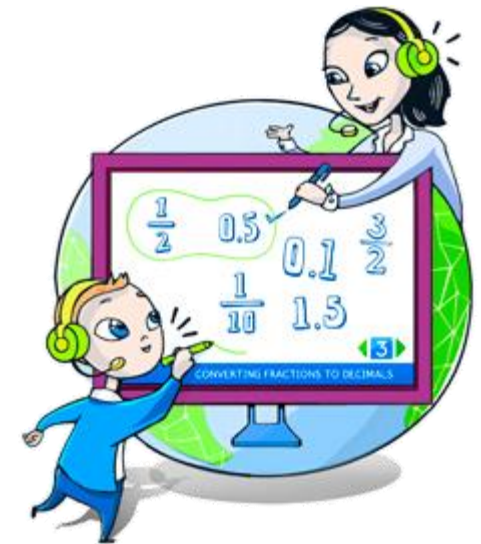
3. 9 437ml =

ℓ

4. 23 ℓ =

ml

Revision on statistics



Today we are going to revise



Finding average using the mean



Interpreting data in various forms: tables, pictograms, line graphs, bar and pie charts

Revision: Tables and averages

Seb saved for a new skateboard that cost £40. The table below shows how much money he saved each week.



Week number	1	2	3	4	5	6	7	8	9	10
Amount saved	£5	£4	£2	£4	£3	£4	£6	£4	£3	£5

Explain how many columns and rows there are and what they tell us.

In which week did Seb have half his money saved?

What is the:

- Mean
- Minimum
- Maximum

Question 1



Complete

What do you notice?


Megan goes on a walking holiday for five days.

The table shows how far she walked on the first four days.


Monday	Tuesday	Wednesday	Thursday
14km	23km	13km	13km

Megan says,

'My average for the first four days is more than 15km.'

1.  Explain why Megan is **correct**.

Friday is her last day.

2.  She wants to increase her average to **17km**.
How many kilometres must she walk on Friday?

What do you know?

Can you show your working out?

How could you extend the question?



THIRD SPACE
LEARNING



Complete

Question 2

What do you notice?

This table shows where 100 people went on holiday in 2007 and 2008.

	2007	2008
Spain	18	26
England	38	17
Scotland	21	13
Wales	19	28
USA	4	16

What do you know?

Can you show your working out?

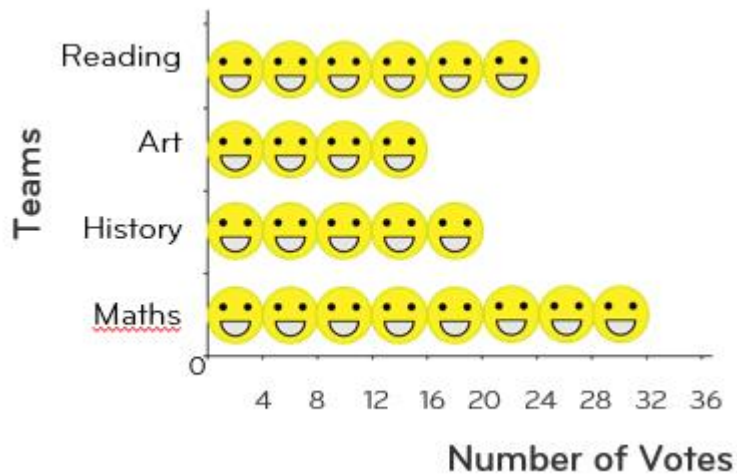
Look at the table.

- How many **more** people went to Wales than to Scotland in 2008?
- Which country had the **greatest increase** in visitors from 2007 to 2008?

How could you extend the question?

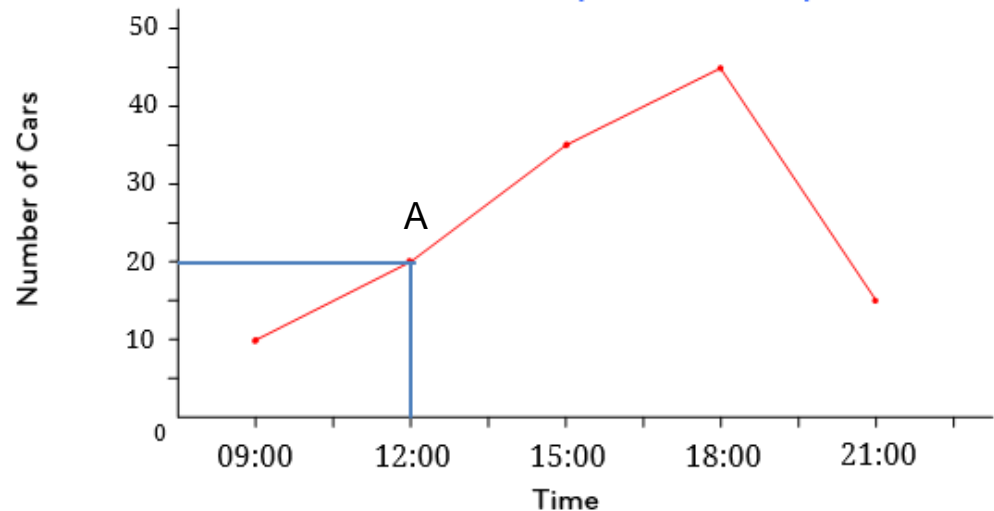
Revision: Pictograms and line graphs

😊 = 4 votes



How many fewer votes were there for **Art** than for **Maths**?

Number of cars in a supermarket car park



Point A on the line shows that 20 cars were parked at 12:00.

How many cars were parked at 21:00? Use the line tool for accuracy.

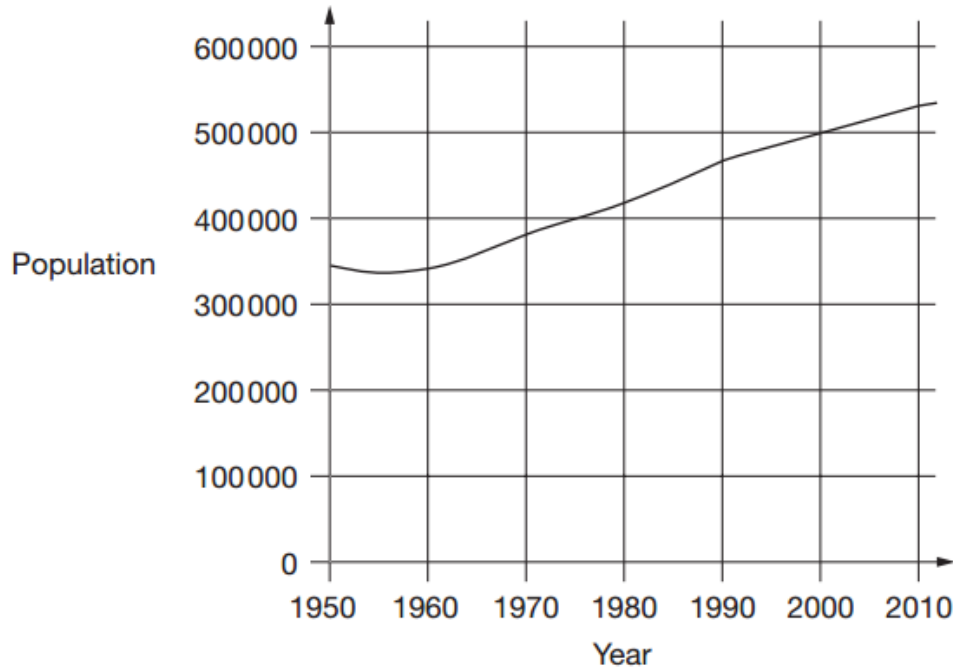


Complete

Question 3

What do you notice?

This chart shows the population of Cornwall from 1950 to 2010.



What do you know?

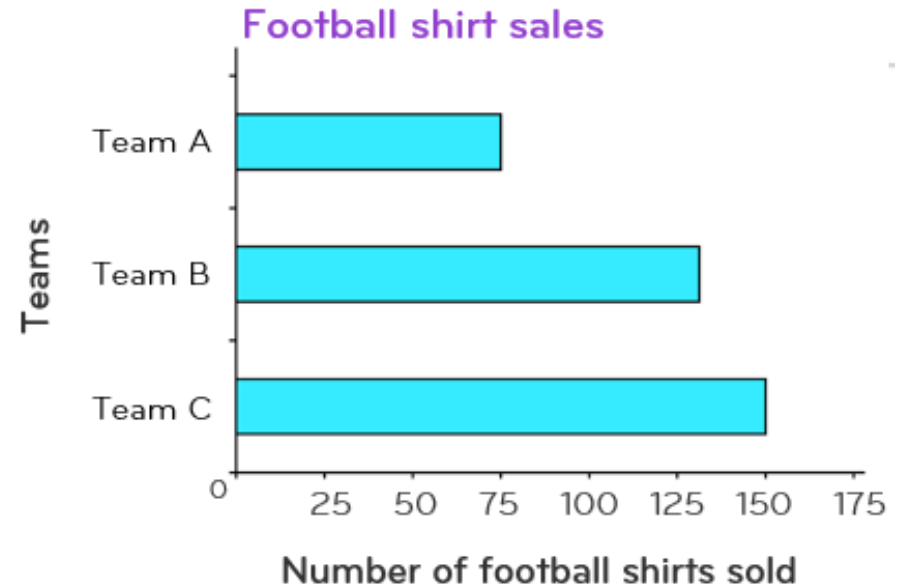
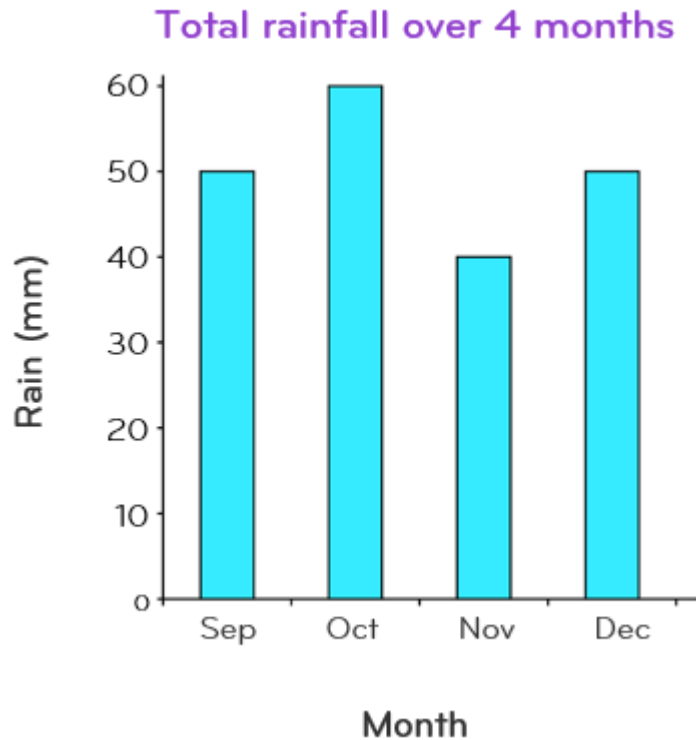
Can you show your working out?

Look at the chart.

1. In which year did the population first reach 400000?
2. How much did the population increase from 1950 to 2000?
3. What was the population of Cornwall in 2010?

How could you extend the question?

Revision: Bar charts



- How much rain was there altogether in October and November?
- What is the difference between the number of shirts sold for Team A and the number shirts sold for Team C?

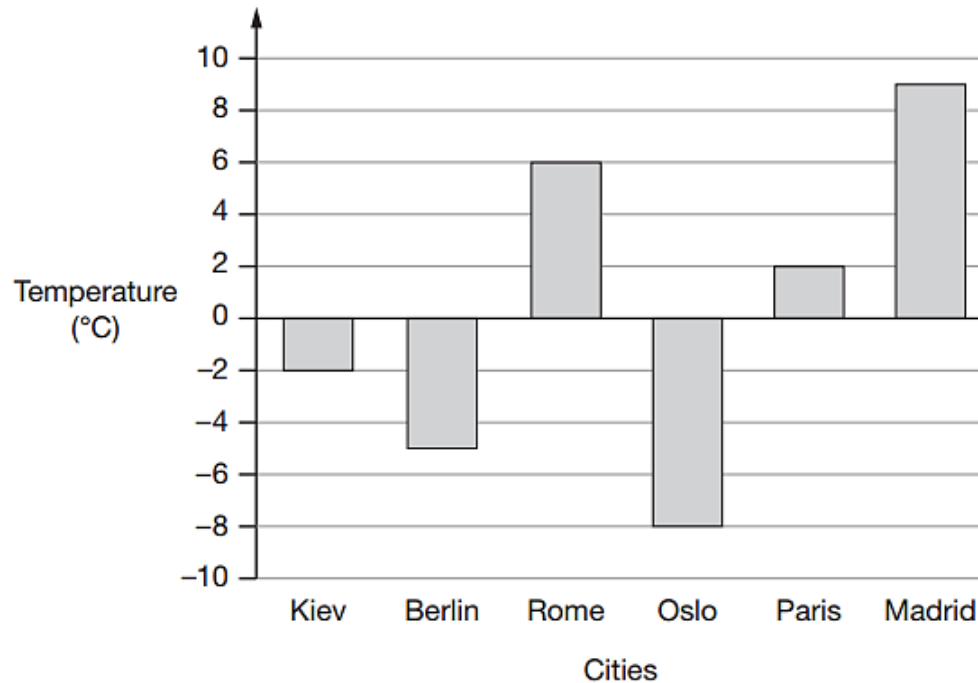
Question 4



Complete

What do you notice?

This graph shows the temperature in six cities on one day in January.



What do you know?

Can you show your working out?

- Which city was 4 degrees **warmer** than Kiev?
- What was the **difference** between the temperature in Oslo and the temperature in Berlin?

How could you extend the question?



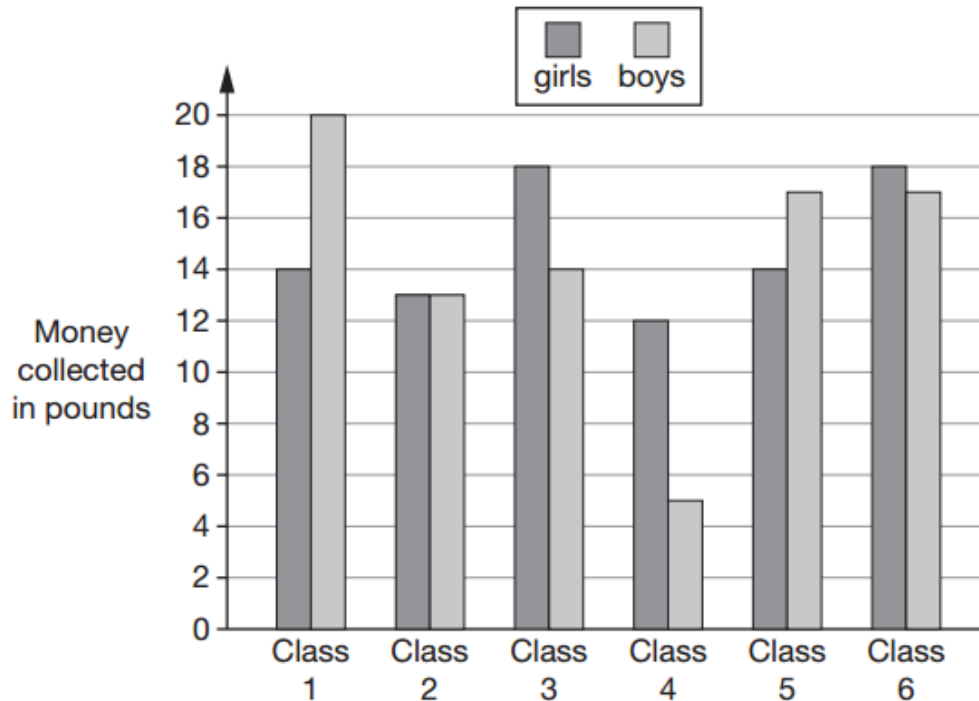
Complete

Question 5

What do you notice?

Six classes at Winward Primary School collected some money.

The chart shows how much money the boys and girls collected.



- In Class 4, how much more money did the girls collect than the boys?
- How many classes collected more than £30?

What do you know?

How could you extend the question?

Revision: Interpreting pie charts

Jerry earned £300. The pie chart shows how Jerry spent his money. Find how much Jerry spent on clothing.

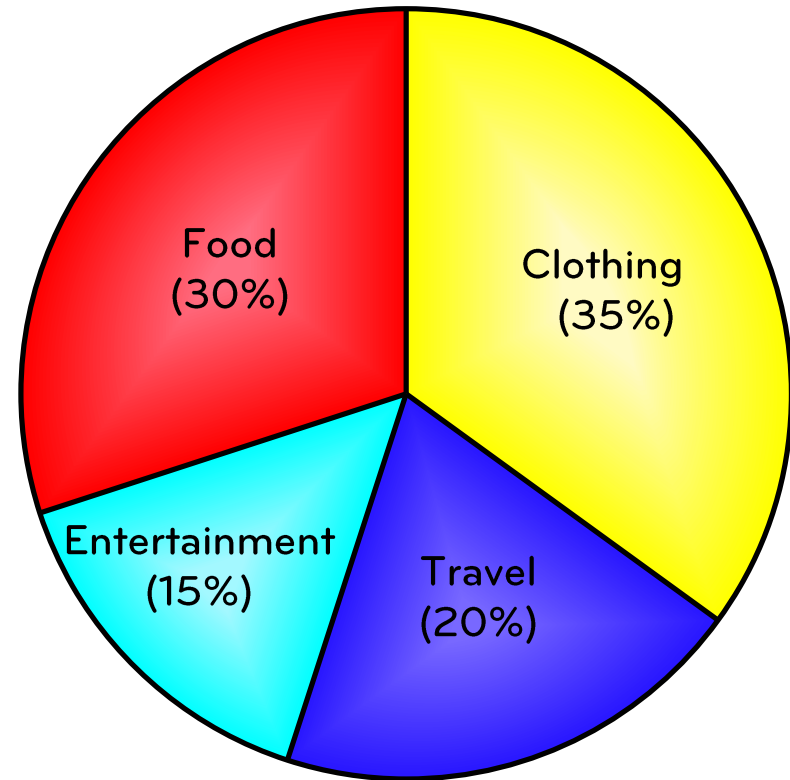
First, find 1%:

Total money \nearrow $\text{£}300 \div 100 = \text{£}3$ \longleftarrow 1% of total money

Then, find 35%:

$\times \text{£}3 =$ \longleftarrow Amount Jerry spent

\nwarrow Per cent Jerry spent \uparrow 1% of total money





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Complete

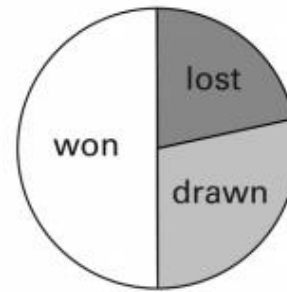
Question 6

What do you notice?

The pie charts show the results of a school's netball and football matches.



Netball



Football

What do you know?

The netball team played **30** games.

The football team played **24** games.

1. Estimate the percentage of games that the netball team lost.
2. David says, '**The two teams won the same number of games.**'

Is he correct?
Explain how you know.

How could you extend the question?

Can you show your working out?



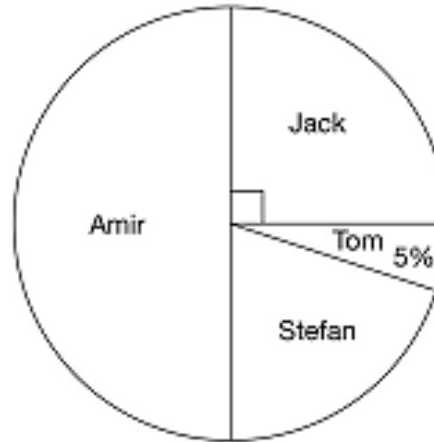
Complete

Question 7

What do you notice?

40 children predicted who would win the boys' race at sports day.

This pie chart shows their predictions.



What do you know?

Can you show your working out?

1. What percentage of the children predicted that Stefan would win?

 %

2. 10 children predicted the winner of the race correctly.

Who won the race?



 _____

Explain how you know.

How could you extend the question?

Let's review:



-  Knows how to calculate mean
-  Can interpret data in various forms: tables, pictograms, line graphs, bar and pie charts

Draw a circle around the face which shows how you feel about what we've just been doing.



Is there something you would like to go over?