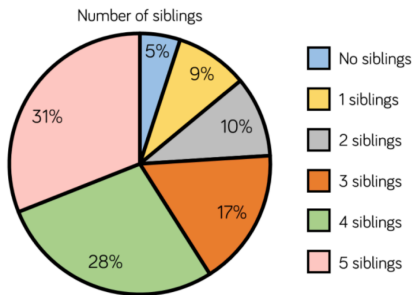


Thursday Extra Challenge with Answers.

1.

15 people in this survey have no siblings. Use this information to work out how many people took part in the survey altogether.



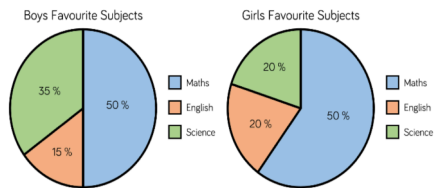
No siblings	15
1 sibling	27
2 siblings	30
3 siblings	51
4 siblings	84
5 siblings	93
Total	300

Now work out how many people each segment of the pie chart is worth.

Can you represent the information in a table?

2.

120 boys and 100 girls were asked which was their favourite subject. Here are the results:



Jack says:



More girls prefer Maths than boys because 60% is bigger than 50%.

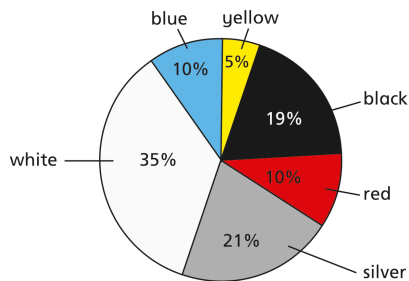
Do you agree? Explain why.

Jack is incorrect because the same amount of girls and boys like maths.

Boys:
50% of 120 = 60

Girls:
60% of 100 = 60

3 The pie chart shows the colours of cars in a car park on one day. There were 30 yellow cars.



a) How many cars were in the car park in total?

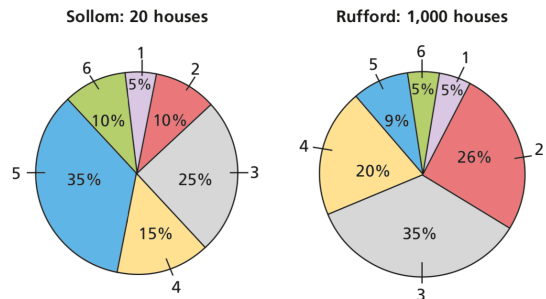
600

b) Complete the table.

Colour of car	Frequency
yellow	30
black	114
red	60
silver	126
white	210
blue	60

How can you check your answers?

4 The pie charts show the number of bedrooms in the houses in Sollom and Rufford.



a)



There are twice as many six-bedroom houses in Sollom than in Rufford because 10% is double 5%.

Do you agree with Alex? NO

Explain why.

There are a different number of houses. 10% of 20 is 2. 5% of 1000 is 50. 2 is not double 50.

b) How many more one-bedroom houses are there in Rufford compared to Sollom?

49