Name _____ **17th January 20202**

Q1.

Write these in order of size, starting with the smallest.

$$\frac{3}{4} \qquad 0.34 \qquad 0.7 \qquad 43\%$$

smallest

1 mark

Q2.

John had £5

He gave 25% of it to charity.

How much did he give?

£ _____

1 mark

Q3.

Calculate 55% of 640

_____

1 mark

Q4.

Write in the missing numbers.

30% of 60 is _____

1 mark

30% of ☐ is 60

Q5.

20% of the children in a sports club play tennis.

25% of the children who play tennis **also** play rounders.

There are 8 children in the club who play **both** tennis and rounders.

How many children are there in the sports club **altogether**?

Show your method

Q6.

250 000 people visited a theme park in one year.

15% of the people visited in April and

40% of the people visited in August.

How many people visited the park in the rest of the year?

Show your method

2 marks

Q7.

Linda buys a pair of trainers.

Trainers
PRICE REDUCED
by 20%

She says,

'I bought this pair of trainers when there was 20% off the normal price. I paid £18 for them.'

What was the **normal** price of the trainers?

Show your method																
											£					

2 marks

Q8.

In Class 6, **80%** of the children like crisps.

75% of the children **who like crisps** also like chocolate.

In Class 6, what percentage of the children like **both** crisps and chocolate?

Show your method

%

2 marks

Q9.

Seb goes on a sponsored walk to collect money for charity.

His aunt promises to pay 75p for each kilometre he walks.

She pays him £6.75 at the end of the walk.

How many kilometres does Seb walk?

km

1 mark

15% of the people walk 5 km or less.

40% of the people walk 8 km or more.

What percentage of the people walk between 5 km and 8 km?

1 mark

Q10.

Write the missing number.

Original price £60

Reduced by [___] %

Now only £45

1 mark

Q11.

Here is a grid of 20 squares.
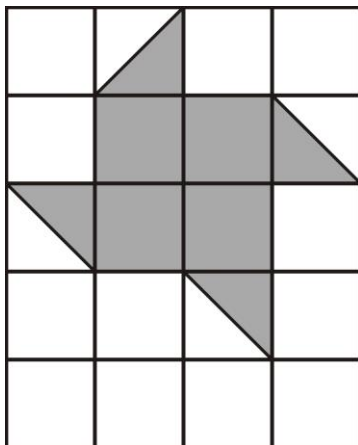
What percentage of the grid is shaded?

	%

1 mark

Q12.

Emily makes 250 grams of a snack mixture.

15% of the weight is raisins, 25% is banana chips and the rest is peanuts.

How many grams of **peanuts** does she use?

Show your method

g

2 marks

Q13.

Here are three questions and answers about bananas.

On average, how much does each person pay for bananas in supermarkets?

Answer: **56p per kg**

On average, what quantity of bananas does each person eat in one year?

Answer: **10 kg**

Who gets money from the sale of bananas?

Answer:

The growers
3%

The workers' company
15%

19%
Transport

18%
Importer

45%
Supermarket
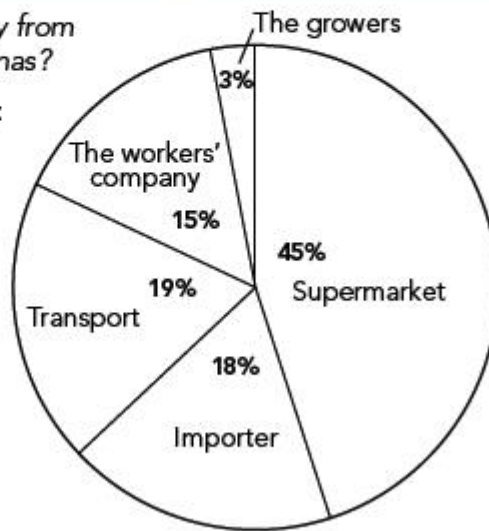
How much of the money each person pays for bananas in one year goes to the **growers**?

Show your method

p

2 marks
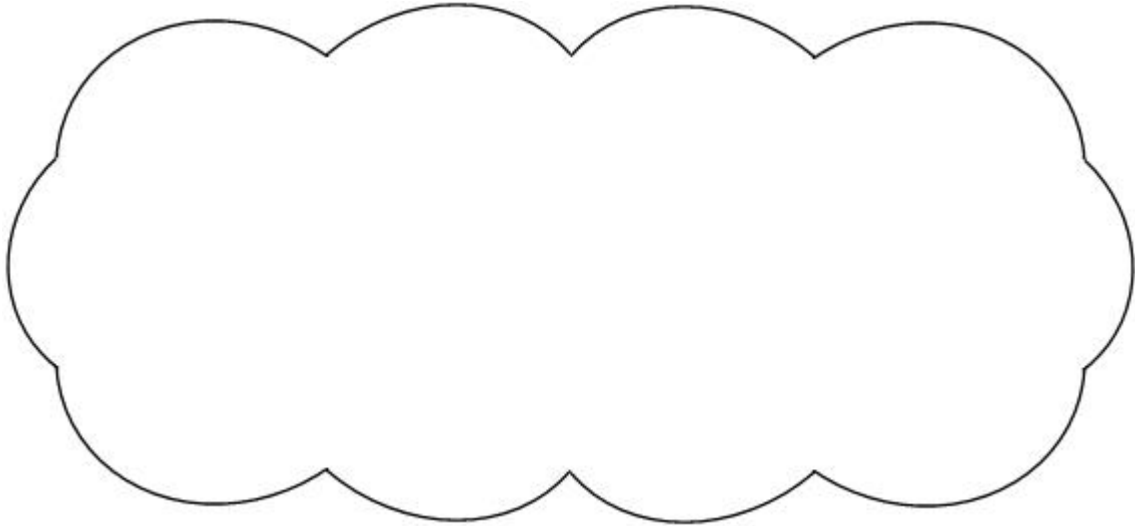
Q14.

Liam did a survey of 55 people to see how many were left-handed.

Liam says,

> '*The results show that exactly 10% of the people in the survey are left-handed.*'

Explain why Liam cannot be correct.

1 mark
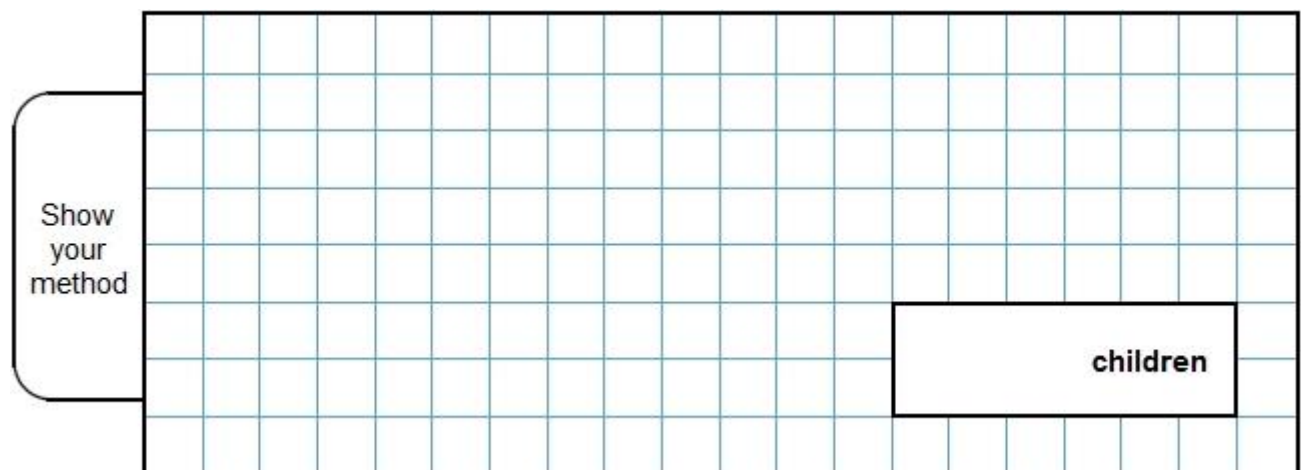
Q15.

200 children went on holiday.
10% of the children went to Wales.

25% of the children went to Scotland.

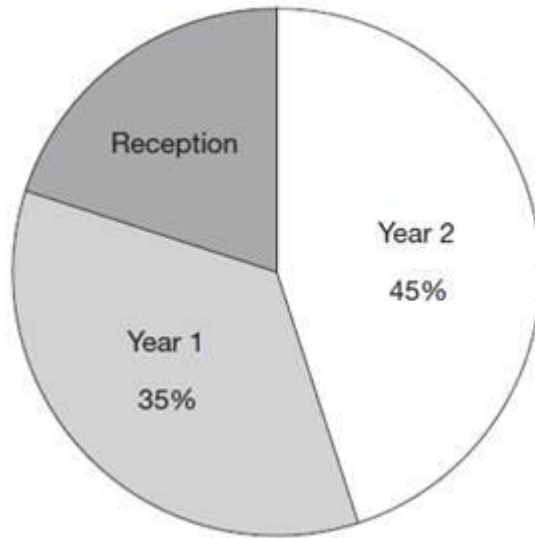How many **more** children went to Scotland than went to Wales?

Show your method

children

2 marks

Q16.

The pie chart shows the Year groups of children at Woodland Infant School.

There are **56** children in **Year 1**.

How many children are there in Reception?

Show your method

children

2 marks

Q17.

What is 10% of a half?

┌─────────┐
│   │
│   │
└─────────┘

What percentage of 20 is 19?

┌──────────────────┐
│   % │
└──────────────────┘

Q18. Alfie asks some boys and girls about their favourite hobby. He shows the results on a graph.

Key:

☐ reading

▨ sport

▨ TV
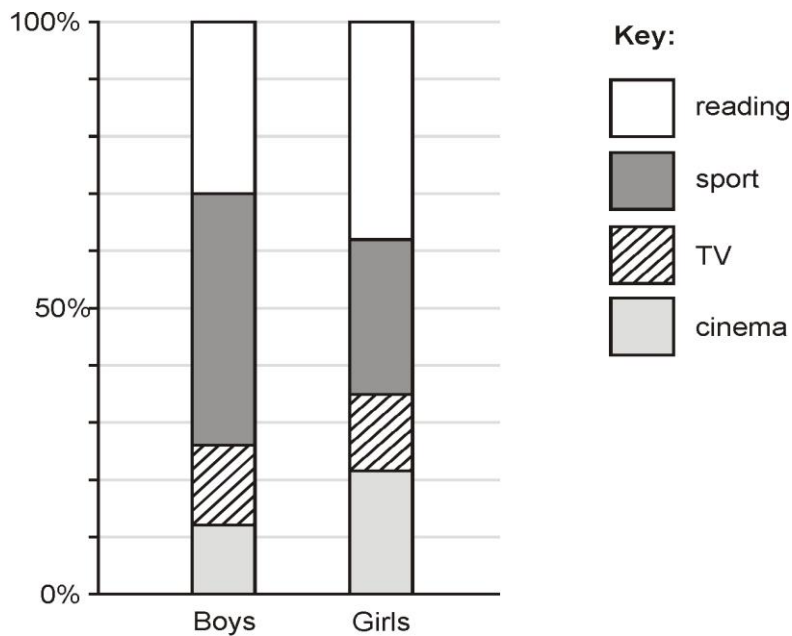
▨ cinema

The graph shows that **44%** of boys chose sport. Estimate the percentage of **girls** who chose sport.

┌──────────────────┐
│   % │
└──────────────────┘

120 boys chose reading. Estimate the **number** of boys who chose **cinema**.

┌──────────────────┐
│   boys │
└──────────────────┘

Q19.

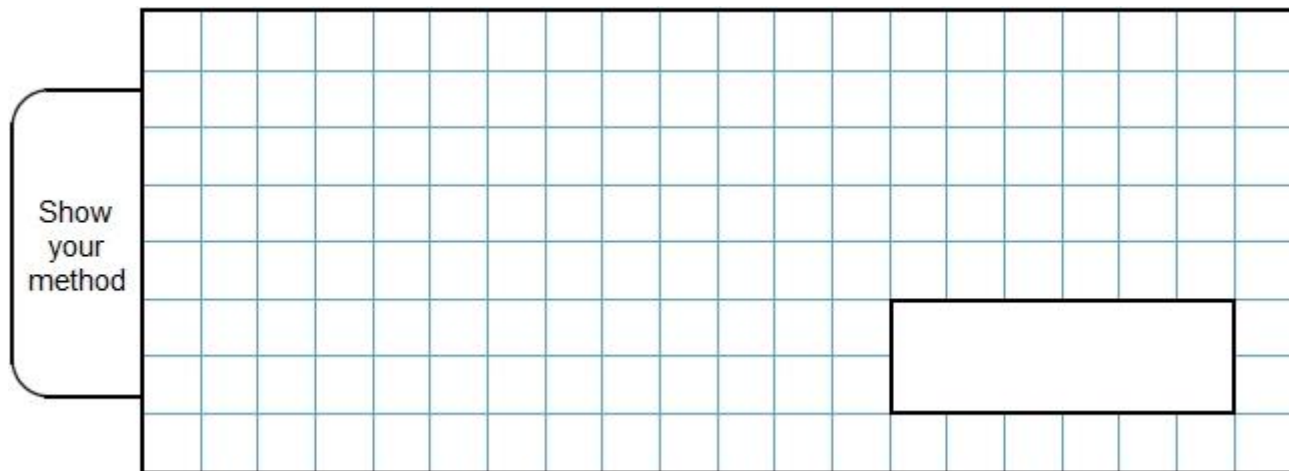**20%** of Megan's number is **64**
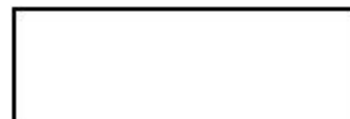
What is **50%** of Megan's number?

Show your method

2 marks

Q20.

Calculate **5%** of **£3600**

1 mark