



Finding percentage parts - answers

1. In a closing-down sale a shop reduces its prices by 50%.

What is the sale price for a radio that originally cost £40?

Correct answer: reducing by 50% is the same as finding a half.

$$\text{£}40 \div 2 = \text{£}20.$$

The radio now costs £20.

2. My car would cost £400 to insure but I have a 'no claims bonus' of 25%.

How much will I save?

Correct answer: find 25% by working out $1/4$.

$$\text{£}400 \div 4 = \text{£}100.$$

The saving will be £100.

3. A 10% service charge is added to the bill in a pizza place.

If a meal costs £60, what will the final bill be?

Correct answer: work out the 10% service charge by finding $1/10$.

$$\text{£}60 \div 10 = \text{£}6.$$

Now add the service charge to the bill. So the total bill will be $\text{£}60 + \text{£}6 = \text{£}66$.

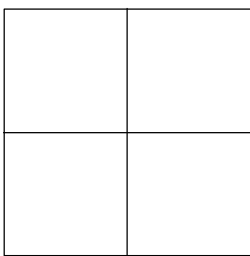


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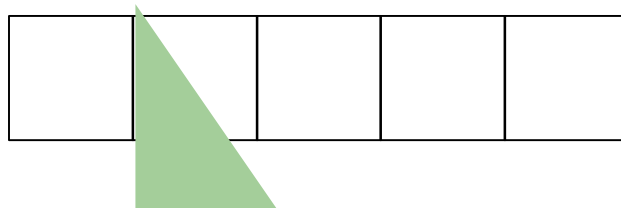
4. Work out what percentages are shown in the diagrams below.

Look at the table in the factsheet 'Finding percentage parts: fractions and percentages'. It shows how percentages are linked to fractions.

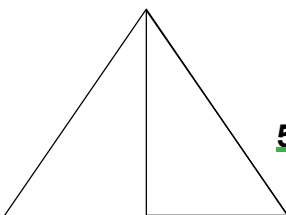
Correct answers:



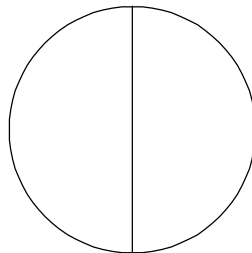
25%



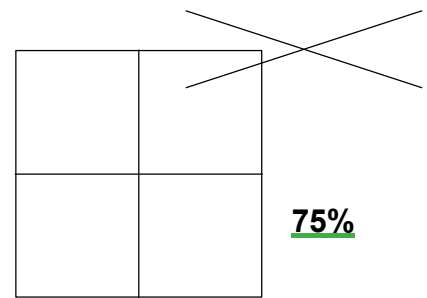
20%



50%



10%



75%