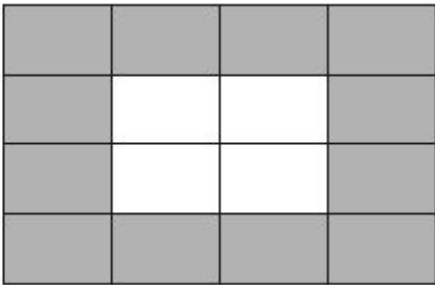
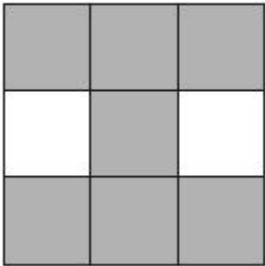
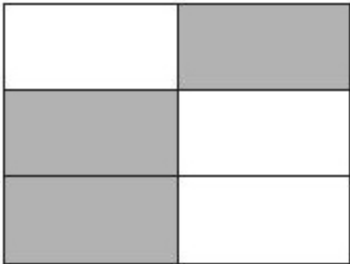
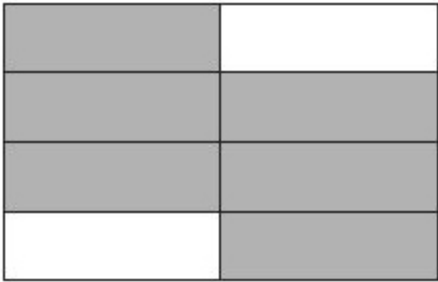


4

Tick two shapes that have $\frac{3}{4}$ shaded.



1 mark

5

Lara had some money.

She spent £1.25 on a drink.

She spent £1.60 on a sandwich.

She has **three-quarters** of her money left.

How much money did Lara have to **start with**?

Show your method

£

2 marks



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.

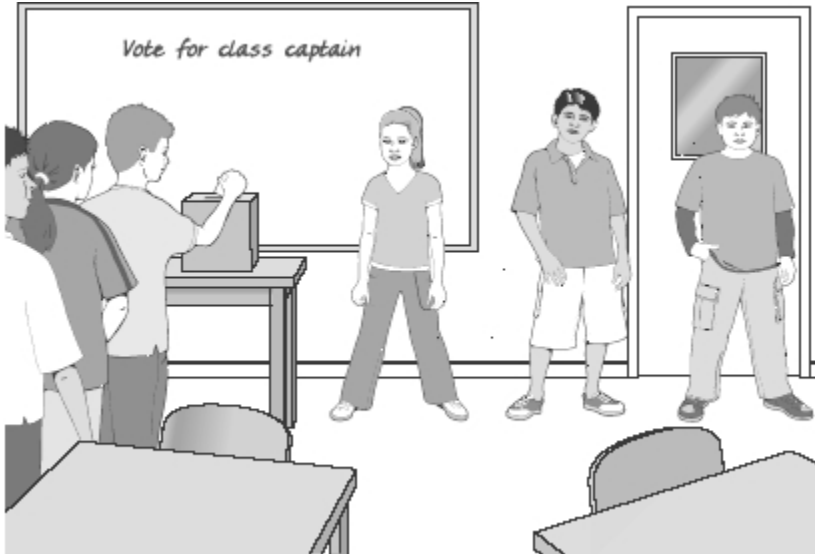
40% of the people walk 8 km or more.

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

%

1 mark

9



All the children in Class 6 vote to pick a class captain.

The choice is Holly or Dev or Joe.

	Vote once ✕
Holly	<input type="checkbox"/>
Dev	<input type="checkbox"/>
Joe	<input type="checkbox"/>

Dev gets 10% of the votes.

Joe gets twice as many votes as Holly.

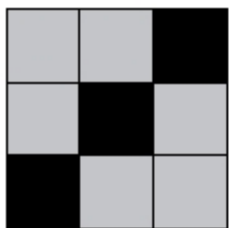
What percentage of the votes does the winner get?

%

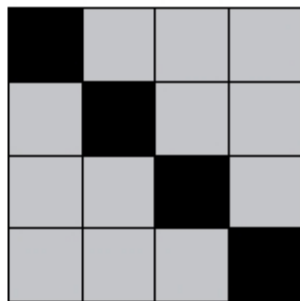
1 mark

10

These patterns are drawn on square grids.



Pattern A



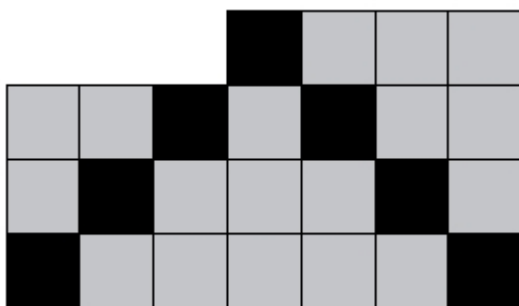
Pattern B

In pattern A, the **ratio** of black squares to grey squares is **1 : 2**

What is the ratio of black squares to grey squares in pattern B?

1 mark

Now look at this new pattern.

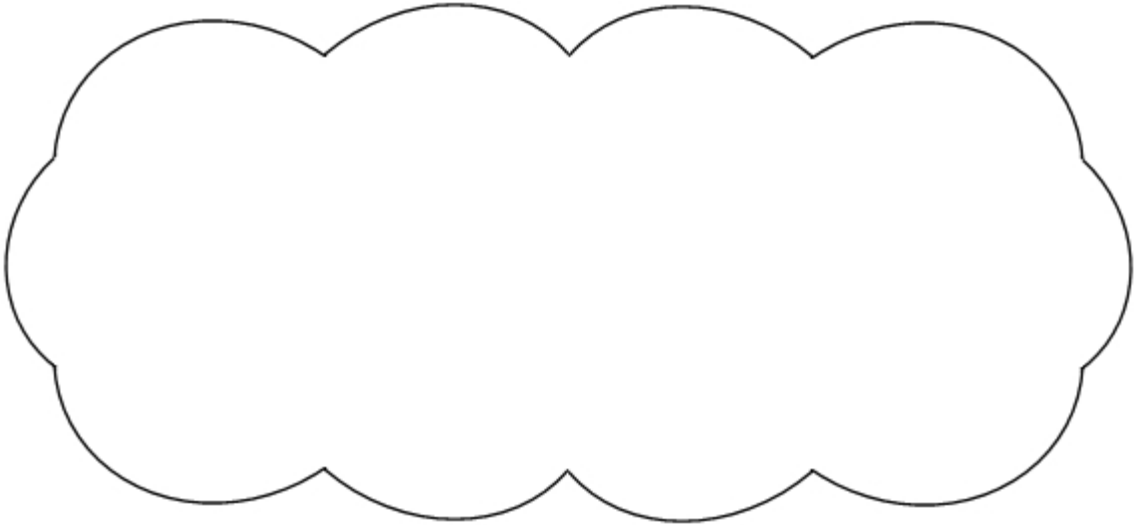


What **percentage** of the new pattern is **black**?

1 mark

11

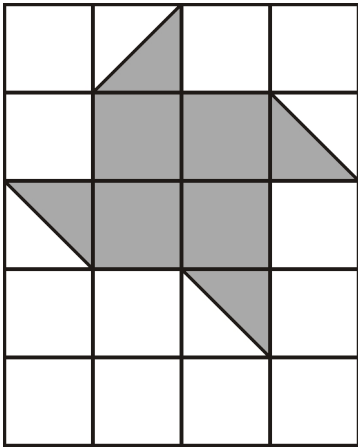
If you know 40% of a number, explain how you could work out the original number.



1 mark

12

Here is a grid of 20 squares.

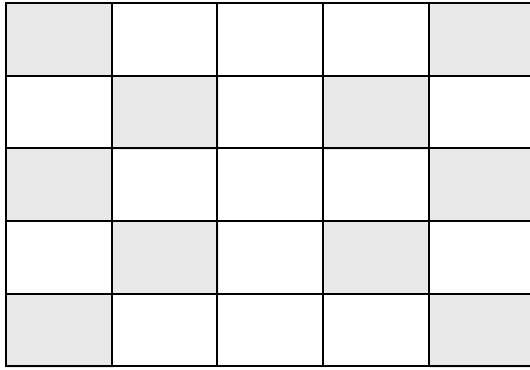


What percentage of the grid is shaded?

1 mark

13

Here is a pattern on a grid.

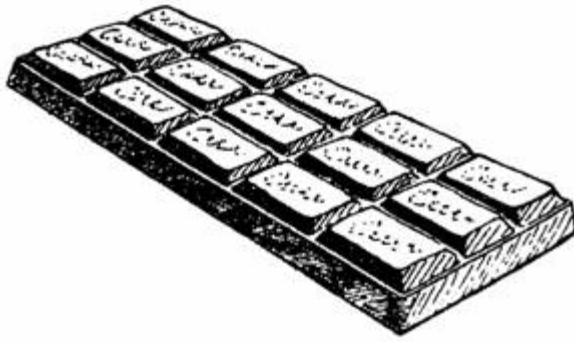


What **percentage** of the grid is shaded?

1 mark

15

Two of the ingredients of chocolate are cocoa and sugar.



In milk chocolate,

20% of the mass is **cocoa**, **55%** is **sugar**.

A bar of milk chocolate contains **50 grams of cocoa**.

How many grams of **sugar** does it contain?

Show your method

A large rectangular grid for showing the method. The grid is 20 squares wide and 10 squares high. On the left side, there is a bracketed area containing the text "Show your method". In the bottom right corner of the grid, there is a smaller rectangular box containing the text "cm".

2 mark

16

John had £5

He gave 25% of it to charity.

How much did he give?

£

A rectangular box for the answer. Inside the box, on the left side, is the pound symbol (£).

1 mark