Percentages - Questions

Key Stage 2: 2003 Paper B

1.

24

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.** You may get a mark.

24i

24ii

2 marks

Key Stage 2: 2004 Paper A

1.

24   Calculate **5%** of **£3600**

£ [   ]

24

1 mark

Key Stage 2: 2005 Paper B

1.

23   Write in the missing numbers.
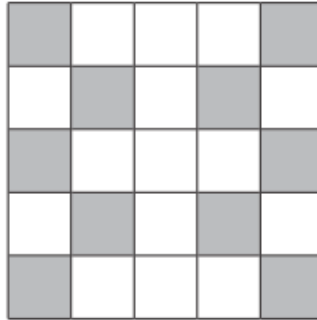
30% of 60 is [   ]

23a

1 mark

30% of [   ] is 60

23b

1 mark

Key Stage 2: 2006 Paper B

1.

21 Here is a pattern on a grid.

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

%

Key Stage 2: 2007 Paper B

1.

18 Hassan scores 40 out of 80 in a test.

Kate scores 40% in the same test.

Who has the higher score?
Circle **Hassan** or **Kate**.

Hassan / Kate

Explain how you know.

18

1 mark

Key Stage 2: 2008 Paper A

1.

24

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?
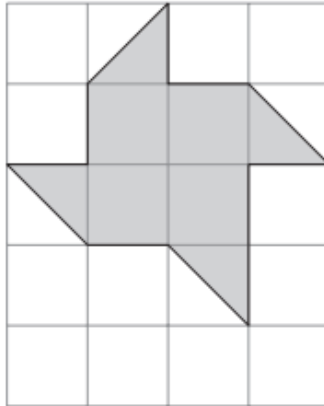
Show your **working**. You may get a mark.

g

24i

24ii

2 marks

Key Stage 2: 2009 Paper B

1.

21   Here is a grid of 20 squares.
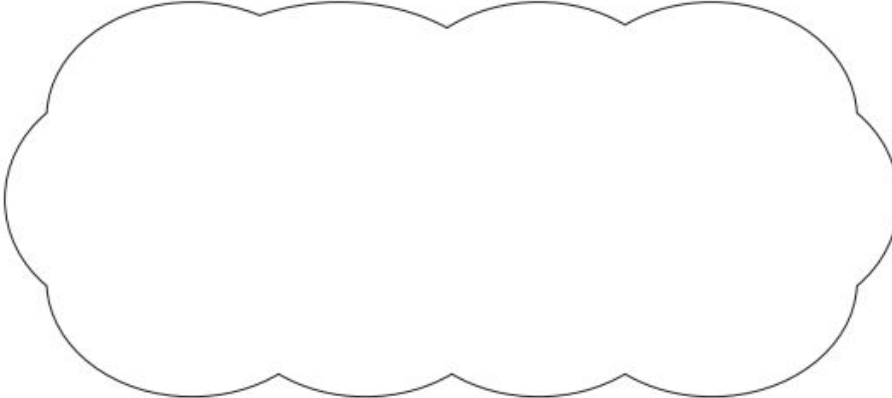

What percentage of the grid is shaded?

[ ]%

Key Stage 2: 2010 Paper A

1.

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

Key Stage 2: 2011 Paper B

1.

24

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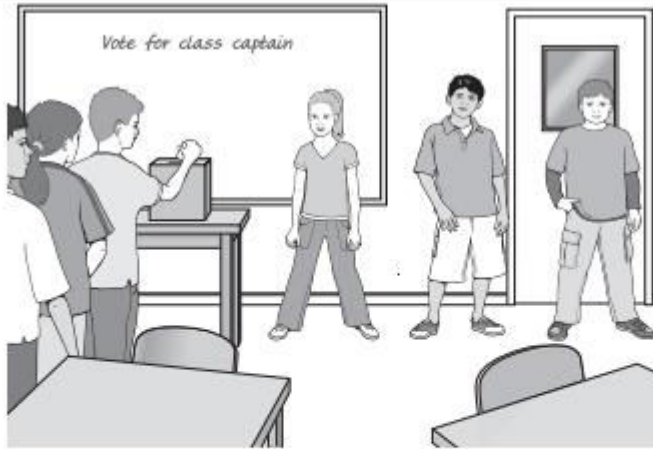
All the children in Class 6 vote to pick a class captain.

The choice is Holly or Dev or Joe.

	Vote once ✗
Holly	☐
Dev	☐
Joe	☐

Dev gets 10% of the votes.

Joe gets twice as many votes as Holly.

What percentage of the votes does the winner get?

%

24

1 mark

Key Stage 2: 2012 Paper A L6

1.

3 Write the missing number.

Original price **£60**

Reduced by [   ] **%**

Now only **£45**

(1 mark)

Key Stage 2: 2013 Paper A L6

1.

5 What is 10% of a half?

1 mark

What percentage of 20 is 19?

[   ] %

1 mark

Key Stage 2: 2013 Paper A

1.

21 **20%** of Megan's number is **64**

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

Show
your
working

21i

21ii

2 marks

Key Stage 2: 2014 Paper B

1.

15 200 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
working

children

15i

15ii

2 marks

1.

9 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.
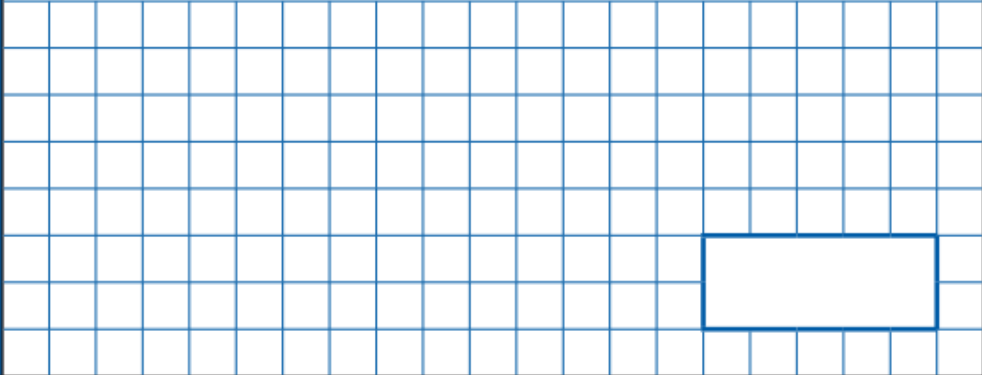
How many children are there in the sports club **altogether**?

Show your working

2 marks

Key Stage 2: 2015 Paper A

1.

18 Calculate **55%** of **640**

18

1 mark

Key Stage 2: 2016 Paper 1 Arithmetic - Sample

1.

17 20% of 1,500 =

1 mark

2.

| 27 | 95% of 240 = | | 1 mark |

1.

17   This model is made with 20 cubes.
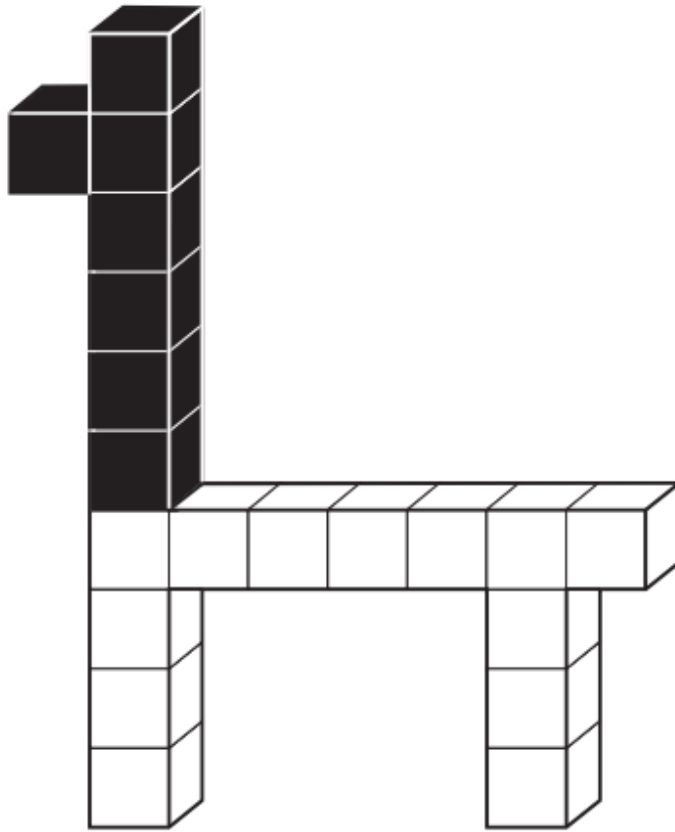
What **percentage** of the cubes in the model is black?

%

1 mark

Key Stage 2: 2016 Paper 1 Arithmetic

1.

25	20% of 1,800 =

1 mark

Key Stage 2: 2016 Paper 1 Arithmetic

2.

29	15% × 440 =

1 mark

Key Stage 2: 2017 Paper 1 Arithmetic

1.

29	45% of 460 =

1 mark

Key Stage 2: 2017 Paper 1 Arithmetic

2.

31	7% of 500 =

1 mark

Key Stage 2: 2017 Paper 1 Arithmetic

3.

34	$15\% \times 1,000 =$	
		1 mark

Key Stage 2: 2017 Paper 2 Reasoning

1.

18 A cat sleeps for **12 hours** each day.

50% of its life is spent asleep.

Write the missing percentage.

A koala sleeps for **18 hours** each day.

[ ] % of its life is spent asleep.

1 mark

Key Stage 2: 2018 Paper 1 Arithmetic

1.

21	20% of 1,200 =	
		1 mark

Key Stage 2: 2018 Paper 1 Arithmetic

2.

30	99% of 200 =	
		1 mark

Key Stage 2: 2018 Paper 1 Arithmetic

3.

34 | 28% of 650 =

1 mark

Key Stage 2: 2018 Paper 3 Reasoning

1.

8 Jack has £400

He spends **35%** of his money on a new bike.

How much does Jack spend on his new bike?

£

1 mark

Key Stage 2: 2019 Paper 1 Arithmetic

1.

18	20% of 3,000 =	
		1 mark

Key Stage 2: 2019 Paper 1 Arithmetic

2.

27	35% of 320 =	
		1 mark

Key Stage 2: 2019 Paper 1 Arithmetic

3.

| 29 | 51% of 900 = |

1 mark

Key Stage 2: 2019 Paper 1 Arithmetic

4.

| 33 | 36% of 450 = |

1 mark

1.

20   Tick the fractions that are **equal** to 20%.

$\dfrac{1}{20}$ ☐

$\dfrac{20}{40}$ ☐

$\dfrac{1}{5}$ ☐

$\dfrac{3}{15}$ ☐

$\dfrac{2}{100}$ ☐

2 marks