

# Key stage 2

## Mathematics

**Paper** Fractions, Decimals and Percentages.

First name						
Middle name						
Last name						
Date of birth	Day		Month		Year	
School name						
DfE number						

## Instructions

You **must not** use a calculator to answer any questions in this test.

## Questions and answers

You have **30 minutes** to complete this test.

Work as quickly and as carefully as you can.

Put your answer in the box for each question.

A 10x10 grid with a blue rectangle in the center. The rectangle is 4 units wide and 3 units high, spanning from the 3rd to the 7th column and the 4th to the 6th row.

All answers should be given as a single value.

Follow the instructions for each question.

Work as quickly and as carefully as you can.

If you need to do working out, you can use the space around the question.

Do not write over any barcodes.

**Some questions have a method box like this:**

Show  
your  
method

For these questions, you may get a mark for showing your method.

- 1 Fill in the missing values as either a percentage , a decimal or fractions.

0.2

$\frac{20}{100}$

20%

0.05

$\frac{5}{100}$

5%

1

$\frac{100}{100}$

100%

2 marks

- 2 Charlotte's favourite clothes shop has a sale. The dress originally costs £16 and the shoes were priced at £56.50p. When she went to pay and there was 50% of the shoes. How much did she end up paying for both items together? £44.25p

Show  
your  
method

A large grid for showing the method, with a small empty box at the bottom right.

2 marks

3

Circle the calculation which gives the smallest answer.

$\frac{1}{4}$  of 100

75% of 80

50% of 60

$\frac{3}{5}$  of 25

25% of 40

1 mark

4

Tick all the correct statements.

$$0.25 > 0.2$$

$$\frac{1}{2} = 0.2$$

$$0.01 < 0.1$$

$$0.05 > 0.5$$

$$\frac{3}{5} = 0.6$$

$$\frac{6}{10} = 0.65$$

2 marks

5

How do you work out 75% of an amount?

Divide the whole amount by 4 and multiply by 3

1 mark

6

What is 35% of 6592ml?

2307.2ml

1 mark

- 7 Cars were parked in a field. 25% were blue , 0.45 were orange and  $\frac{17}{100}$  were yellow. How many cars were parked in the field? Give your answer as a fraction.

$\frac{87}{100}$

1 mark

- 8 Tick the box that best matches the definition an equivalent fraction.

☒

When two fractions are exactly the same.

☐

When numerator is bigger than the denominator.

☐

When there is a whole number and a fraction together.

☐

When you a fraction has all the same digits.

1 mark

9

What is 20% of £8525

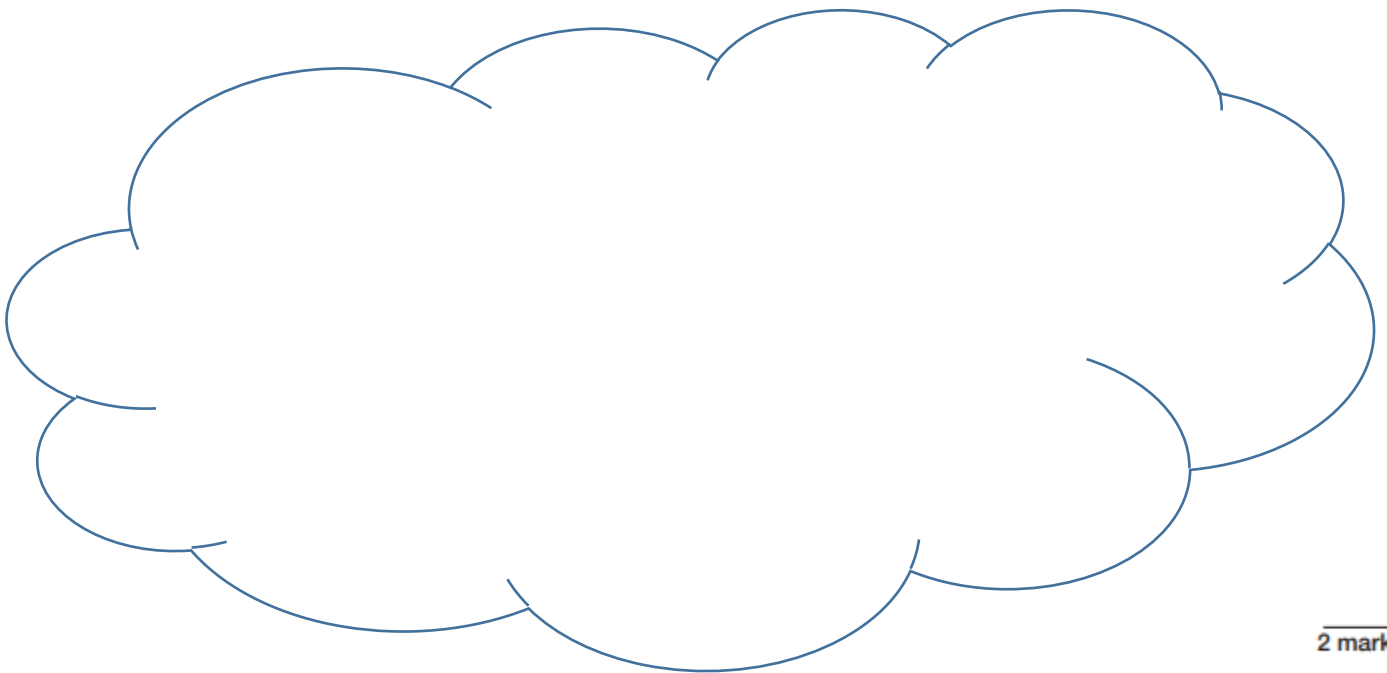
1,705

1 mark

10

George thinks that 0.8 is smaller than  $\frac{4}{5}$ . Explain why George is incorrect.

Georgie is incorrect because  $0.8 = \frac{8}{10}$  which is  $\frac{4}{5}$  when simplified, so 0.8 and  $\frac{4}{5}$  are equivalent.



2 marks