

AQA - Fractions, decimals and percentages – GCSE 2022 Mathematics

1. *June/2022/Paper_8300/1F/No.9*

Shona has 14 dresses.

50% of these dresses are red.

She gives 5 of her red dresses to a charity shop.

She buys 1 new red dress.

What percentage of the dresses she has now are red?

[4 marks]

Answer _____ %

2. *June/2022/Paper_8300/1F/No.12*

Work out $\frac{11}{18} - \frac{1}{3}$

[2 marks]

Answer _____

3. June/2022/Paper_8300/1F/No.18

Work out $80\,000\,000 \div 200$

Give your answer in standard form.

[2 marks]

Answer _____

4. June/2022/Paper_8300/1F/No.23

(a) In each box, write a fraction **less** than 1 to make a correct calculation.

[1 mark]

$$\boxed{\frac{\quad}{\quad}} \times \boxed{\frac{\quad}{\quad}} = \frac{3}{10}$$

(b) In each box, write a decimal **less** than 1 to make a correct calculation.

[1 mark]

$$\boxed{\quad} \times \boxed{\quad} = 0.06$$

5. June/2022/Paper_8300/1H/No.2

What is 0.28 as a fraction of 0.8 ?

Circle your answer.

[1 mark]

$$\frac{7}{20}$$

$$\frac{2}{7}$$

$$\frac{20}{7}$$

$$\frac{7}{2}$$

6. June/2022/Paper_8300/1H/No.3

Circle the calculation that increases 240 by 7.5%

[1 mark]

$$240 \times 1.0705$$

$$240 \times 1.705$$

$$240 \times 1.075$$

$$240 \times 1.75$$

7. June/2022/Paper_8300/1H/No.5

Work out $80\,000\,000 \div 200$

Give your answer in standard form.

[2 marks]

Answer _____

8. June/2022/Paper_8300/1H/No.9

(a) In each box, write a fraction **less** than 1 to make a correct calculation.

[1 mark]

$$\boxed{\frac{\quad}{\quad}} \times \boxed{\frac{\quad}{\quad}} = \frac{3}{10}$$

(b) In each box, write a decimal **less** than 1 to make a correct calculation.

[1 mark]

$$\boxed{\quad} \times \boxed{\quad} = 0.06$$

