

AQA - Fractions, decimals and percentages – GCSE 2022 Mathematics

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

What is $\frac{1}{4}$ as a percentage?

Circle your answer.

[1 mark]

10%

25%

40%

75%

2. *June/2022/Paper_8300/3F/No.3*

Circle the value of the digit 9 in 0.094

[1 mark]

$\frac{9}{100}$

$\frac{9}{10}$

$\frac{1}{90}$

$\frac{1}{9}$

3. June/2022/Paper_8300/3F/No.22

Laura works in a shop.

The table shows the number of hours she works on two weekends.

	Saturday	Sunday
Weekend 1	3	2
Weekend 2	$5\frac{1}{2}$	$3\frac{1}{2}$

Work out the percentage increase in her total hours from Weekend 1 to Weekend 2

[3 marks]

Answer _____ %

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

Circle the smallest number.

[1 mark]

4.31

$4.\dot{3}$

4.301

4.33

5. June/2022/Paper_8300/3H/No.5

Laura works in a shop.

The table shows the number of hours she works on two weekends.

	Saturday	Sunday
Weekend 1	3	2
Weekend 2	$5\frac{1}{2}$	$3\frac{1}{2}$

Work out the percentage increase in her **total** hours from Weekend 1 to Weekend 2

[3 marks]

Answer _____ %

6. June/2022/Paper_8300/3H/No.15

A town has

a population density of 278 people per km²

and

a population of 158 460

$$\text{population density} = \frac{\text{population}}{\text{area}}$$

The population increases to 168 720

Work out the population density after the increase.

[3 marks]

Answer _____ people per km²

7. June/2022/Paper_8300/3H/No.20

£2448 is invested in an account at a rate of compound interest.

One year after the investment there is £2496.96 in the account.

How much is in the account four years after the investment?

[3 marks]

Answer £ _____