

Fractions of Amounts

For AQA GCSE Mathematics (8300) • Foundation tier

Name _____

Total marks: **25**

Answer **all** questions in the spaces provided. Show your working: marks are given for correct method.

1 Work out

(a) $\frac{1}{5}$ of 45

[1 mark]

Answer _____

(b) $\frac{3}{4}$ of 60

[1 mark]

Answer _____

(c) $\frac{7}{10}$ of £350

[1 mark]

Answer _____

2 Circle the value of $\frac{2}{3}$ of 27

[1 mark]

9

18

54

81

- 3** Write 15 as a fraction of 40
Give your answer in its simplest form.

[2 marks]

Answer _____

- 4** There are 240 students in Year 9.
 $\frac{5}{8}$ of the students walk to school.
How many students walk to school?

[2 marks]

Answer _____

- 5** In a sale, the price of a coat is reduced by $\frac{2}{5}$.
The reduction is £24
Work out the original price of the coat.

[2 marks]

Answer £ _____

- 6** Which is larger, $\frac{2}{3}$ of 48 or $\frac{3}{5}$ of 55?

Tick a box.

You must show your working.

[2 marks]

☐ $\frac{2}{3}$ of 48

☐ $\frac{3}{5}$ of 55

- 7** Write 450 m as a fraction of 2 km.
Give your answer in its simplest form.

[2 marks]

Answer _____

- 8** Kate earns £1200 a month.
She spends $\frac{1}{3}$ of it on rent and $\frac{1}{4}$ of it on food.

How much money does she have left?

[3 marks]

Answer £ _____

- 9 A water butt holds 160 litres when it is full.
It is $\frac{3}{4}$ full.
Rhian uses $\frac{2}{5}$ of the water in the butt to water her garden.
(a) How many litres of water are left in the water butt?

[3 marks]

Answer _____ litres

- (b) Rhian says,
‘I have used $\frac{2}{5}$ of the amount the water butt holds when it is full.’
Is she correct? Tick a box.
Give a reason for your answer.

[1 mark]

☐ Yes ☐ No

10 A car park has 360 spaces.

At noon, $\frac{5}{6}$ of the spaces have a car parked in them.

$\frac{3}{10}$ of these cars are electric cars.

What fraction of the 360 spaces have a car that is **not** electric parked in them?

Give your answer in its simplest form.

[4 marks]

Answer _____