

Fractions of Amounts

For Pearson Edexcel GCSE Mathematics (1MA1) • Foundation tier

Name _____

Total marks: **27**

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

1 Work out

(a) $\frac{1}{6}$ of 72

.....
(1)

(b) $\frac{4}{9}$ of 63

.....
(1)

(Total for Question 1 is 2 marks)

2 Write 18 as a fraction of 45
Give your answer in its simplest form.

.....
(2)

(Total for Question 2 is 2 marks)

- 3** Elif is running a 12 km charity race.
She has run $\frac{5}{8}$ of the distance.
How many more kilometres does she have to run?

..... km
(2)

(Total for Question 3 is 2 marks)

- 4** A plane has 240 seats.
For one flight, 96 of the seats are booked online.
Also, $\frac{1}{4}$ of the seats are booked by phone.
The rest of the seats are empty.
What fraction of the seats are empty?
Give your fraction in its simplest form.

.....
(3)

(Total for Question 4 is 3 marks)

- 5 Amy says,
' $\frac{2}{5}$ of 90 is the same as $\frac{3}{8}$ of 96'

Is Amy correct?

You must show how you get your answer.

.....

(2)

(Total for Question 5 is 2 marks)

- 6 Joe has £64
He spends $\frac{3}{8}$ of his money on a game.
He then spends $\frac{1}{4}$ of the money he has left on food.
Work out how much money Joe has left.

.....

(3)

(Total for Question 6 is 3 marks)

- 7** There are 150 students in a year group.
 $\frac{1}{3}$ of the students have a dog as their only pet.
 $\frac{2}{5}$ of the students have a cat as their only pet.
All the other students do not have a pet.
How many of the students do not have a pet?

.....
(3)

(Total for Question 7 is 3 marks)

- 8** A concert hall has 2000 seats.
On Friday, $\frac{3}{4}$ of the seats were sold.
On Saturday, $\frac{1}{5}$ more people went than on Friday.
How many people went to the concert on Saturday?

.....
(3)

(Total for Question 8 is 3 marks)

- 9** A school fair raised some money.
 The cake stall raised $\frac{2}{5}$ of the money.
 The raffle raised $\frac{1}{4}$ of the money.
 The rest of the money came from the tombola.
 The tombola raised £42
 Work out the total amount of money the fair raised.

£
 (3)

(Total for Question 9 is 3 marks)

- 10** Kofi has 840 g of flour.
 He uses $\frac{2}{7}$ of the flour to make bread.
 He then uses $\frac{3}{4}$ of the flour he has left to make pizza bases.
 Kofi says,
 'I have enough flour left to make a cake that needs 180 g of flour.'
 Is Kofi correct?
 You must show how you get your answer.

.....
 (4)

(Total for Question 10 is 4 marks)
