

Fractions of an Amount

Question Paper

Level	GCSE
Subject	Maths
Exam Board	Edexcel GCSE
Topic	Fractions of an Amount
Grade Level	Grade 1/2
Booklet	Question Paper

Time Allowed: 41 minutes

Score: /34

Percentage: /100

Grade Boundaries:

1. A school has 1200 pupils.
575 of these pupils are girls.

$\frac{2}{5}$ of the girls like sport.

$\frac{3}{5}$ of the boys like sport.

Work out the total number of pupils in the school who like sport.

.....

(Total 3 marks)

2. A train travels from London to Manchester.

It leaves London at 16 55

It arrives in Manchester at 19 45

(a) Work out the number of minutes this train takes to travel from London to Manchester.

.....

(3)

There are 800 people on the train at Manchester.

$\frac{1}{10}$ of these 800 people are children.

(b) (i) Work out $\frac{1}{10}$ of 800

.....

$\frac{3}{8}$ of those 800 people are women.

(ii) Work out $\frac{3}{8}$ of 800

.....

The rest of the 800 people are men.

(iii) Work out the number of men on the train.

.....

(4)

320 of the 800 people are under 21 years old.

(c) Work out 320 out of 800 as a percentage.

.....%

(2)

(Total 9 marks)

3. Danny shares a bag of 20 sweets with his friends.

He gives Mary $\frac{3}{5}$ of the sweets.

He gives Ann $\frac{1}{10}$ of the sweets.

He keeps the rest for himself.

How many sweets does Danny keep for himself?

.....
(Total 3 marks)

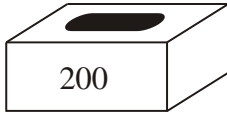
4. A class has 29 students.
16 of the students are girls.

What fraction of the students are boys?

.....
(Total 2 marks)

5. A box contains 200 tissues.

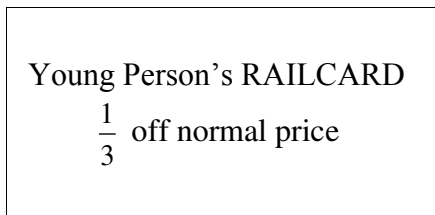
Toby takes $\frac{3}{5}$ of these tissues.



Work out how many tissues he takes.

.....
(Total 2 marks)

6.



Lisa uses her railcard to buy a ticket.

She gets $\frac{1}{3}$ off the normal price of the ticket.

The normal price of the ticket is £24.90

Work out how much Lisa pays for the ticket.

£

(Total 3 marks)

7. There are 30 students in a class.
20 of these students are female.

Find the fraction of the class that is female.
Give your answer in its simplest form.

.....
(Total 2 marks)

8. In a shop the normal price of a jacket is £60
The cost of the jacket in a sale is $\frac{3}{4}$ of the normal price.

(a) Work out $\frac{3}{4}$ of £60

£.....
(2)

Darren has to travel $\frac{1}{8}$ mile to the shop.

(b) Write $\frac{1}{8}$ as a decimal.

.....
(2)
(Total 4 marks)

9. (a) Work out $\frac{1}{4}$ of £24

.....
(1)

(b) Work out 10% of 400 kg.

..... kg
(1)

(Total 3 marks)

10. There are 24 men in a room.

$\frac{1}{2}$ of the men are wearing a red shirt.

$\frac{1}{3}$ of the men are wearing a green shirt.

The rest of the men are wearing a blue shirt.

Work out the number of men wearing a blue shirt.

.....
(Total 3 marks)