

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)**

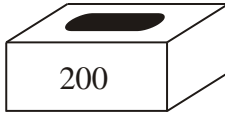
4. A class has 29 students.  
16 of the students are girls.

What fraction of the students are boys?

.....  
**(Total 2 marks)**

5. A box contains 200 tissues.

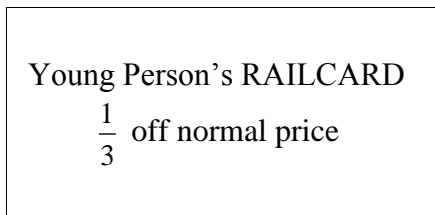
Toby takes  $\frac{3}{5}$  of these tissues.



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)**