

## Fractions of an Amount Past Paper Questions



**Q1.**

There are 120 people at a party.

$\frac{1}{3}$  of the people leave the party.

Work out the number of people still at the party.

.....  
(Total for question = 3 marks)

**Q2.**

Sam has £480

He spends  $\frac{1}{4}$  of the £480

Work out how much money Sam has left.

.....  
(Total for Question is 3 marks)

**Q3.**

\* The normal price of a denim shirt at a shop is £9.60

On Special Offer Day, there is  $\frac{1}{3}$  off the normal price.

Billy has £13

Has he enough money to buy two denim shirts on Special Offer Day?

You must show all your working.



(Total for Question is 4 marks)



Q4.

The diagram shows the cost of a bag of soil and the cost of a box of seeds.



Kate buys two bags of soil and three boxes of seeds.

She gets  $\frac{1}{4}$  off the total cost.

Kate pays with a £20 note.

How much change should Kate get?

£ .....

(Total for Question is 4 marks)



**Q5.**

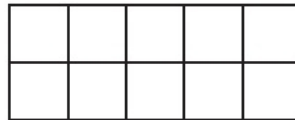


(a) Write down the fraction of this shape that is shaded.

.....

(1)

(b) Shade 30% of this shape.



(1)

(c) Work out  $\frac{2}{3}$  of 120 kg.

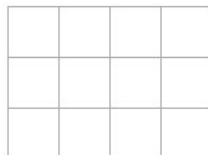
..... kg

(2)

**(Total for Question is 4 marks)**

**Q6.**

Here is a shape.



Shade  $\frac{3}{4}$  of this shape.

**(Total for Question is 1 mark)**



**Q7.**

Work out  $\frac{1}{3}$  of 24

.....

**(Total for question = 1 mark)**

**Q8.**

Find  $\frac{1}{3}$  of 30

.....

**(Total for question = 1 mark)**

**Q9.**

Rachel, Samina and Tom share £600 between them.

Rachel gets  $\frac{2}{5}$  of the £600

Samina gets  $\frac{1}{4}$  of the money that is left over.

Tom gets the rest of the money.

Tom says,

"I would have got more money if we had shared the £600 equally between us."

Is Tom correct?

You must show how you get your answer.

**(Total for question = 4 marks)**



**Q10.**

Work out  $\frac{1}{6}$  of 66

.....

**(Total for question = 1 mark)**

**Q11.**

A stadium cost £600 million.

$\frac{13}{15}$

of this cost was for the building.

The rest of the cost was for the land.

Work out the cost of the land.

£ ..... million

**(Total for question = 3 marks)**

**Q12.**

A shop sells a CD for £14

The record company gets  $\frac{2}{5}$  of the £14

The shopkeeper gets  $\frac{7}{20}$  of the £14

The singer gets the rest of the £14

Work out how much money the singer gets.

£ .....

**(Total for Question is 4 marks)**



**Q13.**

\* Daniel wants to buy a laptop.  
Two shops sell the same make of laptop.


Arnold's Computers

£630



Special offer:  
1/3 off all prices

Laptop World



Pay £100  
plus  
12 monthly payments of £30

Daniel wants to pay the least amount of money for his laptop.

Which of the two shops should Daniel buy the laptop from?  
You must show all of your working.

(Total for Question is 4 marks)



**Q14.**

Jenny is decorating her bedroom.



She buys three tins of paint.  
One of the tins costs £13.68  
The other two tins each cost £8.10  
Jenny also buys a pack of paintbrushes.  
The pack costs £6.99

Jenny gets  $\frac{1}{3}$  off the total cost.

Jenny pays with two £20 notes.

How much change should Jenny get?

£.....

(Total for Question is 4 marks)

