

Key Stage 2

Fractions of Quantities

First name						
Middle name						
Last name						
Date of birth	Day		Month		Year	
School name						
DFE number						

1

Work out the following:

a) $\frac{1}{2}$ of 370

Answer:

1 mark

b) $\frac{2}{3}$ of 600

\div by the bottom (denominator)
 \times by the top (numerator)

$$600 \div 3 = \underline{200} \quad 200 \times 2 = 400$$

Answer: 400

1 mark

c) $\frac{3}{4}$ of one thousand

Answer:

1 mark

Work out the following:

d) $\frac{3}{5}$ of 140

Answer:

1 mark

e) $\frac{5}{3}$ of 5400

Answer:

1 mark

f) $\frac{4}{5}$ of forty thousand

Answer:

1 mark

2

Work out the following:

a) $\frac{3}{4}$ of 600 grams

Answer: _____ grams

1 mark

b) $\frac{2}{5}$ of 30 pencils

Answer: _____ pencils

1 mark

c) $\frac{3}{8}$ of £200

Answer: _____ £

1 mark

3

Neave is walking to the supermarket, a journey of 600m.



After she has gone $\frac{3}{4}$ of the way, how far has Neave walked?

 m

1 mark

4



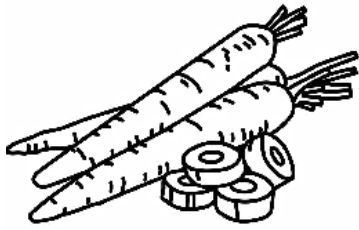
Brayden has a business selling sports equipment. He has to pay $\frac{1}{5}$ of his profits in taxes.

If Brayden's profits are £12000, how much tax must he pay?

 £

1 mark

5



Hallie has a bag of 12 carrots. She uses $\frac{1}{3}$ of the carrots to make a stew.

How many carrots are left in the bag?

 carrots

1 mark

6

Tom is running a 20km race. He has run $\frac{3}{5}$ of the race so far.

How many km does Tom have left to run?

 km

1 mark

7

a)



Teddy thinks of a number. He tells Isla that $\frac{5}{8}$ of his number is 20.

What number is Teddy thinking of?

1 mark

b)



Now Isla thinks of a number. She tells Teddy that $\frac{4}{7}$ of her number is 20.

What number is Isla thinking of?

1 mark

8

Mrs Spinner has chosen a prime number and wants her class to guess what it is. She gives them two clues:

$\frac{3}{4}$ of my number is less than 21

$\frac{1}{3}$ of my number is greater than 7



What number did Mrs Spinner choose ?
Explain how you worked it out.

2 marks

9

- a) Izzy gets £100 for her birthday and goes shopping. She spends $\frac{1}{4}$ of the money on clothes, and $\frac{1}{5}$ on food.

How much money does Izzy have left?

£

2 marks

- b) Miley also goes shopping. She spends $\frac{1}{3}$ of her money on clothes, and $\frac{1}{4}$ on food. She has £35 left.

How much money did Miley start with?

£

2 marks