

Proportion- Target work

Target Source..... Name.....

a) The cost of 15 litres of petrol is £12
Work out the cost of 20 litres of petrol.

b) Jenny buys 4 folders.
The total cost of these 4 folders is £6.40
Work out the total cost of 7 of these folders.

c) Theresa bought 5 theatre tickets for £60
Work out the cost of 9 theatre tickets.

d) 3 maths books cost £7.47
Work out the cost of 5 of these.

e) 5 people take 12 hours to build a wall.
How long would it take 3 people to build the wall?

Proportion- Target work

1 The workers in a company are in the ratio female : male = 1 : 4.5

1 (a) What fraction of the workers are female?

[2 marks]

Answer _____

1 (b) The company has 150 female workers.

How many workers are there altogether?

[2 marks]

Answer _____

2 $a : b = 2 : 7$

$$a^2 = 36$$

Work out the **two** possible values of b .

[3 marks]

Answer _____ and _____

Proportion- Target work

A box contains 192 pens,
They are red, green or blue.

A quarter of the pens are red.

The ratio green pens : blue pens = 1 : 8

How many blue pens are there?

[4 marks]

Answer _____

Proportion- Target work

$$x : y = 5 : 1$$

- (a) Circle the equation of y as a function of x .

[1 mark]

$$y = \frac{x}{6}$$

$$y = \frac{x}{5}$$

$$y = 5x$$

$$y = 6x$$

- (b) Show that $x + y : x - y = 3 : 2$

[2 marks]
