Summer 2017 Paper 1 Q16

1 $v = u + at$

$u = 1 \quad a = -3 \quad t = \frac{1}{2}$

Work out the value of v.

$v =$ .....

(Total for Question 1 is 2 marks)

Autumn 2018 Paper 1 Q9

2 $g = 9$
$h = 4$

Work out the value of $2g + 3h$

.....

(Total for Question 2 is 2 marks)

Autumn 2019 Paper 3 Q7

3 $w = 4u + 3$

Find the value of w when $u = 8$

.....

(Total for Question 3 is 2 marks)

Summer 2019 Paper 2 Q11

4 $P = 7r + 3q$

Work out the value of P when $r = 5$ and $q = -4$

.....

(Total for Question 4 is 2 marks)

Summer 2020 Paper 2 Q15

5 $T = 3x + 4y$

(a) Work out the value of T when $x = 5$ and $y = -7$

.....

(2)

(b) Work out the value of y when $T = 38$ and $x = 6$

.....

(2)

(Total for Question 5 is 4 marks)

Autumn 2022 Paper 2 Q8

6 Safiya wants to hire a van.
She uses this rule to work out the cost of hiring a van for a number of days.

Cost = £45 × number of days

Safiya is going to hire the van for 7 days.

Work out the cost.

£.....

(Total for Question 6 is 2 marks)

Summer 2022 Paper 1 Q14

7 $y = 6x - 5$

Work out the value of y when $x = 4$

$y =$ .....

(Total for Question 7 is 2 marks)

Autumn 2019 Paper 1 Q17

8 $x - 1 = 2$

Work out the value of $2x^2$

.....

(Total for Question 8 is 3 marks)

Autumn 2019 Paper 2 Q28

9 The number of days, d, that it will take to build a house is given by

$$d = \frac{720}{n}$$

where n is the number of workers used each day.

Ali's company will take 40 days to build the house.
Hayley's company will take 30 days to build the house.

Hayley's company will have to use more workers each day than Ali's company.

How many more?

.....

(Total for Question 9 is 3 marks)

Summer 2019 Paper 3 Q15

10 You can use this rule to work out the total hire charge, in pounds (£), for hiring a 3D printer for a number of weeks.

Total hire charge (£) = number of weeks × 70 + 50

Mia wants to hire a 3D printer for 4 weeks.

(a) Work out the total hire charge.

£.....

(2)

Zahir hires a 3D printer.
The total hire charge is £680

(b) For how many weeks does Zahir hire the 3D printer?

..... weeks

(2)

(Total for Question 10 is 4 marks)