

SOLVING ONE STEP EQUATIONS

Pearson Edexcel - Tuesday 12 June 2018 - Paper 3 (Calculator) Higher Tier

1.

7 Solve $\frac{5-x}{2} = 2x-7$

$$x = \dots\dots\dots$$

(Total for Question 7 is 3 marks)

Pearson Edexcel - Thursday 26 May 2016 - Paper 1 (Non-Calculator) Higher Tier

2.

17 (a) Solve $3x-5 < 16$

(2)

(b) Solve $\frac{11-w}{4} = 1+w$

$$w = \dots\dots\dots$$

(3)

(Total for Question 17 is 5 marks)

Pearson Edexcel - Thursday 4 June 2015 - Paper 1 (Non-Calculator) Higher Tier

3.

2 $x = 3$

(a) Work out the value of $4x^2$

.....
(1)

(b) Solve $5x + 4 = 14 + x$

$x =$
(2)

.....
(Total for Question 2 is 3 marks)

Pearson Edexcel - Monday 11 June 2012 - Paper 1 (Non-Calculator) Higher Tier

4.

5



You can work out the amount of medicine, c ml, to give to a child by using the formula

$$c = \frac{ma}{150}$$

m is the age of the child, in months.

a is an adult dose, in ml.

A child is 30 months old.

An adult's dose is 40 ml.

Work out the amount of medicine you can give to the child.

..... ml

(Total for Question 5 is 2 marks)

Pearson Edexcel - Friday 2 March 2012 - Paper 3 (Non-Calculator) Higher Tier

5.

1. (a) Simplify $2a + 3b - a - b$

.....
(2)

(b) Expand $4(2m - 3n)$

.....
(1)

(Total 3 marks)

Pearson Edexcel - Friday 2 March 2012 - Paper 3 (Non-Calculator) Higher Tier

6.

8. (a) Solve $13x + 1 = 11x + 8$

$x = \dots\dots\dots$
(2)

(b) Show that $y = -2$ is a solution of the equation $\frac{4}{y} + y = 2y$

(2)

(Total 4 marks)

Pearson Edexcel - Monday 6 June 2011 - Paper 3 (Non-Calculator) Higher Tier

7.

5. $h = 5t^2 + 2$

(a) (i) Work out the value of h when $t = -2$

$\dots\dots\dots$

(ii) Work out a value of t when $h = 47$

$\dots\dots\dots$
(3)

(b) $-1 \leq n < 4$

n is an integer.
Write down all the possible values of n .

$\dots\dots\dots$
(2)

(Total 5 marks)

8.