



IGCSE PAST PAPER 0580 CORE

2014 -2018

ALGEBRAIC EXPRESSION AND LINEAR EQUATION

WRITTEN BY RISHI



1 Expand the brackets and simplify fully.

$$5(x-3) + 2(3x+1)$$

..... [2]

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2 Simplify.

$$2p - q - 3q - 5p$$

..... [2]

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3 Solve.

(a) $3w - 7 = 32$

$w =$ [2]

(b) $4(5x + 7) = 42$

$x =$ [3]

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4 Expand the brackets and simplify.

$$7(2x + 3y) - x(14 - y)$$

..... [2]

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5 Solve.

$$2 - x = 5x + 1$$

$x =$ [2]

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6 Expand the brackets and simplify.

$$4(5w + 3) - 2(w - 1)$$

..... [2]

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7 Simplify.

$$3f + 4f - 2f$$

..... [1]

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8 Solve the equation. $6(y + 1) = 9$

$y = \dots\dots\dots$ [2]

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9 Solve the equation. $4x + 3 = 11$

$x = \dots\dots\dots$ [2]

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10 Solve the equation. $6(k - 8) = 78$

$k = \dots\dots\dots$ [2]

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11 Work out. $-2 + 7 - 8$

$\dots\dots\dots$ [1]

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12 Expand the brackets. $x(3x - 4)$

$\dots\dots\dots$ [2]

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13 Expand and simplify. $x(2x + 3) + 5(x - 7)$

Answer(b) [2]

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14 Expand the brackets and simplify. $5(x - 3) - 3(x - 5)$

Answer [2]

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15 Solve the equation. $3(x + 4) = 2(4x - 1)$

Answer x = [3]

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16 Solve $5x - 7 = 10$.

Answer(b) x = [2]

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17 Expand.
 $-4(2w - 5)$

Answer(a) [1]

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18 Simplify.
 $1 - 2u + u + 4$

Answer [2]

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19 Expand and simplify.
 $2(3x - 2) + 3(x - 2)$

Answer(a) [2]

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20 Solve the equation.
 $\frac{n - 8}{2} = 11$

Answer n = [2]

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