Year 7 – Term 2 Revision – Algebra – with answers

Write an expression for each of the following:

a) The sum of A, B and C

b) 7 is taken away from P

If $a = 5$, evaluate the following:

a) $a + 3$

b) $4a$

c) $2a - 1$

Substitute the given values into the formula $y = 8m - 3$ to find the value of y in each case.

a) $m = 4$

b) $m = 15$

Answer true or false for each of the statements below.

a) $y = 8h - 7$ is an equation

b) $4h + 6ty - 8m$ is an expression

c) $3fg - 8$ is a term

If p, g and m represent any three numbers, write an expression for the following:

a) the sum of the three numbers

b) the difference between p and g

c) 6 less than m

d) the product of the three numbers

Aa number divided by 3 subtract 7 = 11 What is the number you started with?

Write the equation where the number = n

n/ - =

n

Write an expression for each of the following:

a) 11 is taken away from X

b) The sum of P and Q minus R

If $w = 7$, evaluate the following:

a) $w - 3$

b) $2w$

c) $4w - 1$

Answer true or false for each of the statements below.

a) $2ty + 6m$ is an expression

b) $y = m + 7$ is a term

c) $4pq$ is an equation

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If t, y and f represent any three numbers, write an expression for the following.

a) the difference between t and y

b) the sum of the three numbers

c) the product of the three numbers

d) 9 more than the product of t and y

If you multiply a number by 8 and subtract 5 to the answer you get 43. What is the number you started with?

Write the equation where the number = n

n

Equation/Expression	equation or expression	Coefficient	Number of terms	
4c + 16				
3b + 17 x 2 = 46				b =
6y – 17 = 7				y =
24 + 4t = 50 - 6				t =
34 – 2v + 8				
5v + 10 = 15				
5v + 20 = 45				v =

Solve the equations using pen and paper.

Solve by backtracking or by balancing.

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