# **Algebra** Name**: …….**

**Task 1**

What number does b represent in these equations?

5 + b = 8 (b = ……..) b + 3 = 97 (b = ……..) 12+ 11 + b = 39 (b = …….)

b x 6 = 24 (b = ……..) 60 ÷ b = 10 (b = ……..) 10 + b = 15 + 7 (b = …….)

b x b = 36 (b = ……..) 30 – b = 23 (b = ……) 9 + 2 = 15 – b (b = …….)

**Task 2**

4a is the same as a + a + a + a (or 4 times a)

If a = 3, b = 5 and c = 2, solve these equations;

a + b = ……. b – c = …… 2 + 2b = ……

3b – c = ……. a – b – c = ……. 5b + 6 = ……

10a ÷ 2 = …….. 2c x 10 =…… 3b + 2c = …….

**Task 3**

a + a + a is simplified to 3a p +p – d is simplified to 2p – d

Simplify these equations

b + b + b = …….. 3 x b = …… f + f + f + f =……

s + s – s = …….. s + s + d + d = …… c + 2b + c = …….

**Task 4**

If x = 4, what is y?

x + y = 13 (y = …….) y + x = 18 (y = …….)

2x + y = 20 (y = …….) 3x + y = 50 (y = …….) x + x + y = 30 (y = ….)

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