

**MIGHTY MIND** Educational Consultants

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### sion Activity

Numeracy Band 567

Algebra & Function

**Resource code:** 27053923



## FXP EXTENSION

#### **Question 1**

Solve the following expressions referring to the given variables.

If:	10x + 3y – 5z =		
x = 3 x = 6			
z = 8			

lf:	5x – 25y – 10z =	
x = -5		-
y = 12		
2-9		

If:	88x x 2y + 3z =
x = 2 y = 56	
z = 7	

lf:	2 x 3x
x = 11	
y = 4	7
z = 90	

lf: ×

0	

lf: x = 89 y = 15 z = 100	7x – 18y x 2z =
lf:	3z + 12x - 6y =
y = -46 z = -7	
lf: x = 2 y = -3 z = 77	3x + 2z x 5y =

x – 20y + 40z =

10z =





# **EXTENSION**

#### **Question 1**

Solve the following expressions referring to the given variables.

If: x = 3 y = 6 z = 8	$10x + 3y - 5z =$ $= (10 \times 3) + (3 \times 6) - (5 \times 8)$ $= 30 + 18 - 40$		
	= 8		
lf:	5x – 25y – 10z =		- 10z =
y = 12	$= (5 \times -5) - (25 \times 12) - (10 \times 9)$		÷ 3) + -77 - 60
2 = 9	= -25 - 300 - 90		/ - 60
	= -415	$\mathbf{S}^{\mathbf{N}}$	
lf: x = 2	88x x 2y + 3z =	<u> </u>	x – 20y + 40z =
y = 56	$=(88 \times 2) \times (2 \times 5)$		$= (9 \times 9) - (20 \times 24) + (40 \times 10)$
2 = 7	$= 176 \times 112 +$		= 81 - 480 + 400
	= 19 733		= 1
lf: x = 11	2 x 3x	lf: x = 89	7x – 18y x 2z =
y = 4	=2	y = 15	$= (7 \times 89) - (18 \times 15) \times (2 \times 100)$
2 = 90		2 = 100	<u>= 623 - 270 x 200</u>
			<u>= -53 377</u>
If:		lf:	3z + 12x - 6y =
×		x = 16 y = -46	$= (3 \times -7) + (12 \times 16) - (6 \times -46)$
		z = -7	= -21 + 192 + 276
			= 447
		If:	3x + 2z x 5y =
	<u>-5) – (4 x -4)</u>	x = 2 y = -3	$= (3 \times 2) + (2 \times 77) \times (5 \times -3)$
	- 16	z = 77	$= 6 + 154 \times -15$
			<u>= -2304</u>

