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Using Tables and Data Charts - Independent Practice Worksheet

1) There are 18 paintings in each hall and 5 paintings in the corridor.
This table shows how the number of paintings, p , depends on the number of halls, r .

r	p
4	77
5	95
6	113
7	131

How would you write this as an equation?

$$p = 18r - 5$$

$$p = 18r + 5$$

$$p = 5 - 18r$$

$$p = 4 + 18r$$

2) This table shows how the number of erasers, e depends on the number of pencils, p .

p	e
6	18
7	19
8	20
9	21

How would you write this as an equation?

$$e = p + 1$$

$$e = p - 1$$

$$e = 12p - 1$$

$$e = p + 12$$



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3)

This table shows how the number of houses, h , depends on the number of blocks, b .

b	h
1	18
2	36
3	54
4	72

How would you write this as an equation?

$$h = 18b - 18$$

$$h = 19b$$

$$h = 18b$$

$$h = 18b + 18$$

4)

This table shows how the number of mangoes, m , depends on the number of jellies, j .

j	m
7	30
8	34
9	38
10	42

$$m = 4j + 4$$

$$m = 4j - 4$$

$$m = 4j - 2$$

$$m = 4j + 2$$



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5) There were 6 fewer balls than 20 times as many apples.

This table shows how the number of balls, b , depends on the number of apples, a .

a	b
3	54
4	74
5	94
6	114

$$b = 20a - 20$$

$$b = 6a + 20$$

$$b = 20a - 6$$

$$b = 6a - 6$$

6) The number of yaks in a jungle are 6 fewer than 2 times the number of giraffes.

This table shows how the number of yaks, y , depends on the number of giraffes, g .

g	y
5	4
6	6
7	8
8	10

How would you write this as an equation?

$$y = 6g + 2$$

$$y = 2g + 2$$

$$y = 2g - 6$$

$$y = 6g - 2$$



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7) Each pizza is cut into 16 pieces.

This table shows how the number of pieces, s , depends on the number of pizzas, c .

c	s
5	80
6	96
7	112
8	128

How would you write this as an equation?

$$s = 16c$$

$$s = 16c + 16$$

$$s = 16c - 16$$

$$s = 15c - 16$$

8) The brown bread is 7 centimeters less than 10 times as long as the white bread.

This table shows how the length of the brown bread, b , depends on the length of the white bread, w .

w	b
7	63
8	73
9	83
10	93

How would you write this as an equation?

$$b = 10w - 7$$

$$b = 10w - 10$$

$$b = 7w - 10$$

$$b = 10w + 10$$



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9) The number of blueberries is 5 less than the red berries.

This table shows how the number of blueberries, b , depends on the number of red berries, a .

a	b
5	0
6	1
7	2
8	3

How would you write this as an equation?

$$b = a - 5$$

$$b = 5a + 5$$

$$b = 5a + 5$$

$$b = a + 1$$

10) This table shows how the number of plums, p , depends on the number of cakes, c .

c	p
5	11
6	12
7	13
8	14

How would you write this as an equation?

$$p = c + 6$$

$$p = 6c - 7$$

$$p = 6c - 1$$

$$p = 6c + 6$$

