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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	р
4	77
5	95
6	113
7	131

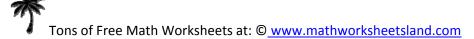
How would you write this as an equation?

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.

р	е
6	18
7	19
8	20
9	21

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.

а	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	У
5	4
6	6
7	8
8	10

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.

С	S
5	80
6	96
7	112
8	128

How would you write this as an equation?

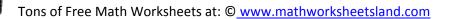
s = 16c	s = 16c + 16
s = 16c – 16	s = 15c – 16

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

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.

а	b
5	0
6	1
7	2
8	3

How would you write this as an equation?

b = a - 5 b = 5a + 5b = a + 1

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

С	р
5	11
6	12
7	13
8	14

p = c + 6 $p =$	6c – 7
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