



Puzzle Time

What Arctic Bird Can Be Found In A Bakery?

Write the letter of each answer in the box containing the exercise number.

Find the values of y that correspond to the given values of x for the linear equation.

1. $y = 4x + 3$ for $x = -1, 0, 1$

2. $y = -\frac{3}{2}x + 5$ for $x = 0, 2, 4$

3. $y = -9$ for $x = 0, 1, 2$

4. $y = -7x + 8$ for $x = -1, 0, 1$

5. $y = \frac{5}{3}x - 6$ for $x = -3, 0, 3$

6. $y = 1.4x - 9$ for $x = 0, 1, 2$

Solve for y . Then find the values of y that correspond to the given values of x for the linear equation.

7. $y + 8x = -2$ for $x = 0, 1, 2$

8. $12x + 3y = 15$ for $x = -1, 0, 1$

9. $\frac{1}{4}y - 3x = 9$ for $x = -2, 0, 2$

10. $0.4y + 2x = 1.2$ for $x = -3, 0, 3$

11. The equation $22 = 2y + x$ represents the perimeter of a flower garden with length y (in feet) and width x (in feet). Solve for y . Then find the length of the flower garden when the width is 2 feet, 3 feet, and 4 feet.

12. The equation $0.60 = 0.05x + 0.10y$ represents the number of nickels x and dimes y needed to add up to 60 cents. Solve for y . Then find the number of dimes that are needed to make 60 cents when the number of nickels is 0, 2, and 4.

Answers

E. $y = -9, -7.6, -6.2$

F. $y = 12, 36, 60$

P. $y = 18, 3, -12$

I. $y = -2, -10, -18$

A. $y = 15, 8, 1$

F. $y = 6, 5, 4$

M. $y = 10, 9.5, 9$

U. $y = -11, -6, -1$

C. $y = 9, 5, 1$

N. $y = 5, 2, -1$

R. $y = -9, -9, -9$

A. $y = -1, 3, 7$

1		8	3	6	4	11		10	5	9	12	7	2
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