

Warmup

Solve the following

$$1) \frac{4x-10}{2} = 6 \cdot 2$$

$$4x - 10 = 12$$
$$+10 \quad +10$$

$$\frac{4x}{4} = \frac{22}{4}$$

$$x = 5.5$$

$$2) \frac{1}{2}(4x-10)+6 = -x+7$$

$$2x - 5 + 6 = -x + 7$$

$$2x + 1 = -x + 7$$
$$+1x \quad +1x$$

$$3x + 1 = 7$$
$$-1 \quad -1$$

$$\frac{3x}{3} = \frac{6}{3}$$

$$x = 2$$

Winter Snowman Coloring Activity: Writing and Solving Equations

Directions: Write the equation. Then, solve for the missing number. SHOW ALL WORK! Next, match each answer with a color and problem number.

1. Half of a number plus twelve is 46. What is the number?

$$\frac{1}{2}x + 12 = 46$$

2. 16 less than a number equals -19. What is the number?

$$x - 16 = -19$$

3. The sum of a number and -9 is -36. What is the number?

$$x - 9 = -36$$

4. The product of a number and -5 is -115. What is the number?

$$-5x = -115$$

5. 19 more than a number equals 45. What is the number?

$$45 = 19 + x$$

6. The difference of 3 times a number and 18 is 39. What is the number?

$$3x - 18 = 39$$

7. 6 less than the product of a number and 3 is -18. What is the number?

$$3x - 6 = -18$$

8. $\frac{3}{4}$ of a number minus -16 equals 28. What is the number?

$$\frac{3}{4}x + 16 = 28$$

9. The sum of the quotient of a number and 3 and 8 is 16. What is the number?

$$\frac{x}{3} + 8 = 16$$

10. A fourth of a number added to -45 is -11. What is the number?

$$\frac{1}{4}x - 45 = -11$$

Answer	24	-3	-4	68	-27	19	16	23	136	26
Color	Orange	Green	Dark Blue	Purple	Yellow	Brown	Red	Light Blue	Black	Pink
Question #										

Winter Snowman Coloring Activity: Writing and Solving Equations

Directions: Write the equation. Then, solve for the missing number. SHOW ALL WORK! Next, match each answer with a color and problem number. Finally, color by question number.



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