2-2 Solving Two-Step Equations - Christmas Color Match Activity

Equations:

-PEMDAS

-Addition

-Multiplication

-Division

-Subtraction

-Two-Step

-180

-2

-4

-66

-8
Directions: Answer the questions. Find your answer on the Christmas Kitty, then color according to your answers.

1. An equation that can be solved in two steps using the properties of equality and undoing the mathematical operations is a _______________ equation. (GREEN)

2. While simplifying the mathematical expressions, the order of operations followed is _______. (RED)

3. In solving the equations of type $ax + b = c$, the first property of equality used to simplify the equation is ________________. (YELLOW)

4. In solving the equations of type $\frac{x}{a} - b = c$, the first property of equality used to simplify the equation is ________________. (RED)

5. In solving the equations of type $a(x - b) = c$, the first property of equality used to simplify the equation is ________________. (BROWN)

6. In solving the equations of type $\frac{x-a}{b} = c$, the first property of equality used to simplify the equation is ________________. (BLUE)

7. The solution of the equation $8x - 4 = 12$ is __________. (GREEN)

8. The solution of the equation $11a + 100 = 12$ is __________. (ORANGE)

9. The solution of the equation $\frac{d}{10} + 6 = 16$ is __________. (PURPLE)

10. The solution of the equation $18(x + 1) = -54$ is __________. (YELLOW)

11. The solution of the equation $\frac{t+4}{-9} = -7$ is __________. (BROWN)

12. The solution of the equation $\frac{h-11}{11} = -7$ is __________. (ORANGE)