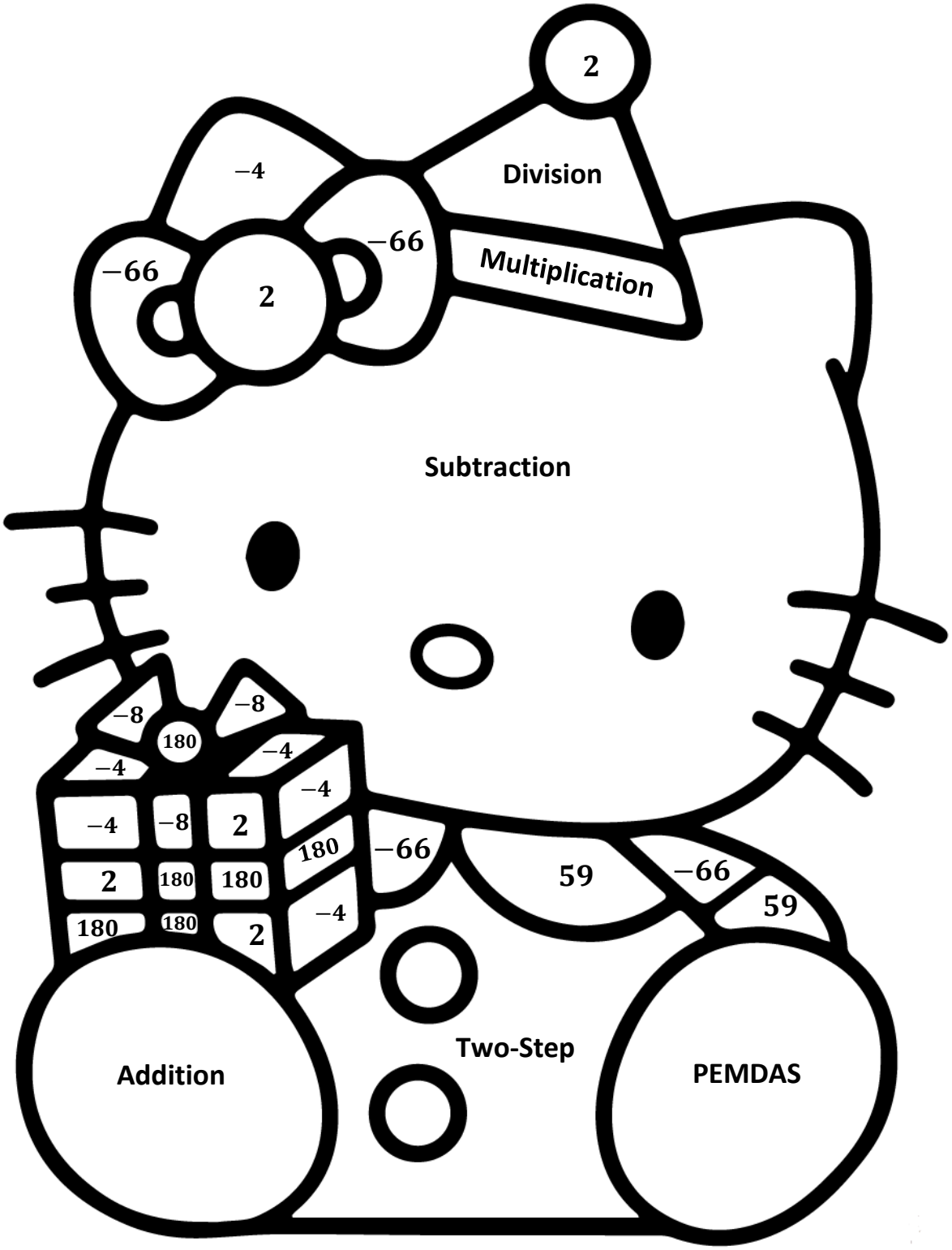
Name: _____ Period: _____ Date: _____

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



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 $\frac{d}{18} + 6 = 16$ 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)**