

Name: _____

Order of Operations & Algebra Practice Test

- C 1. What is a variable? Provide an example.

- K 2. Solve for the variable:

$$x + 7 = 19$$

$$p \div 10 = 20$$

$$3t + 1 = 13$$

- K 3. Consider the following:

a. If $a + b = 30$, and $a + b - c = 8$, what is the value of c ?

b. If $\text{☺} + z + 9 = 25$, and $9 + \text{☺} = 10$, what is the value of z ?

- T 4. The grade 6s start a jumping jack competition. The jumping jacks Max can finish can be calculated by the expression $5t-1$. Rachel's jumping jacks can be calculated by the expression $2t + 5$ where t is the time in minutes. How many minutes will it take for Max to complete more jumping jacks than Rachel?

- A 5. Complete the following questions using what you know about the order of operations.

a) $6 \times (4 + 3) - 10$

c) $100 - 10 \times 3 + 9$

b) $12 \times (2 + 4) - 5$

d) $15 + 3 \times 3 - 7$