Order of Operations & Algebra Practice Test

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1. What is a variable? Provide an example.

2. Solve for the variable:

$$x + 7 = 19$$

$$p \div 10 = 20$$

$$3t + 1 = 13$$

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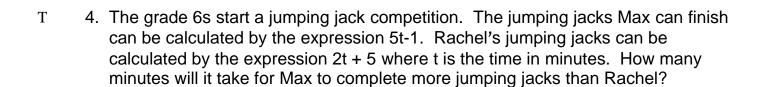
3. Consider the following:

a. If
$$a + b = 30$$
,

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

$$\odot$$
 + z + 9 = 25,

b. If
$$\odot + z + 9 = 25$$
, and $9 + \odot = 10$, what is the value of z?



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

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

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