

Find the value of each expression using the ORDER OF OPERATIONS:

$$72 \div 12 \cdot 3$$

$$6 \cdot 3$$
$$(18)$$

Find the value of each expression using the ORDER OF OPERATIONS:

$$4 \cdot 3 + 8 \div 2 - 5$$

$$12 + 8 \div 2 - 5$$

$$12 + 4 - 5$$

$$16 - 5 = 11$$

Find the value of each expression using the ORDER OF OPERATIONS:

$$(36 \div 6) \div (6 - 4)$$

$$6 \div 2$$
$$\textcircled{3}$$

Find the value of each expression using the ORDER OF OPERATIONS:

$$7[(29 + 11) - 3(16 - 9)]$$

$$7[40 - 3(16 - 9)]$$

$$7[40 - 3(7)]$$

$$7[40 - 21]$$

$$7[19] = 133$$

Evaluate each expression if $a = 12$, $b = 11$, $k = 8$, and $s = 14$:

$$\begin{aligned} & 2a - 9 \\ & 2(12) - 9 \\ & 24 - 9 \\ & 15 \end{aligned}$$

Evaluate each expression if $a = 12$, $b = 11$, $k = 8$, and $s = 14$:

$$\begin{aligned} & b + (a - k) \\ & 11 + (12 - 8) \\ & 11 + 4 \\ & 15 \end{aligned}$$

Evaluate each expression if $a = 12$, $b = 11$, $k = 8$, and $s = 14$:

$$\begin{aligned} & 3a + 2b - k \\ & 3(12) + 2(11) - 8 \\ & \quad \checkmark \\ & 36 + 2(11) - 8 \\ & \quad \quad \checkmark \\ & 36 + 22 - 8 \\ & \quad \quad \checkmark \\ & 58 - 8 = 50 \end{aligned}$$

Translate each phrase into an algebraic expression:

Ten more points than Jill scored

Let x be Jill's points

$$10 + x$$

Translate each phrase into an algebraic expression:

3 years younger than Quint

Let q be Quint's age.

$$q - 3$$

Translate each phrase into an algebraic expression:

Three times as many dollars as Tom has

Let t be Tom's money.

$$3 \cdot t \text{ or } 3t$$

Translate each phrase into an algebraic expression:

Twice a number increased by 8

Let n be the number.

$$2n + 8$$

Name the property shown by each statement:

$$7 + 4 = 4 + 7$$

Commutative prop
of addition

Name the property shown by each statement:

$$3 \times 5 \times 0 = 0$$

multiplicative
prop. of zero

Name the property shown by each statement:

$$(6 \times 15) \times 3 = 6 \times (15 \times 3)$$

associative prop.
of multiplication

Name the property shown by each statement:

$$0 + a = a$$

identity prop. of
addition