

Another Look

For use with Lesson 2-8.

Evaluating Expressions

Order of Operations
<ol style="list-style-type: none"> 1. Compute inside parentheses first. 2. Do all multiplications and divisions next, left to right. 3. Do all additions and subtractions last, left to right.

Following the order of operations ensures that you get one value for an expression.

Example:

$$\begin{aligned}
 570 \div (12 - 2) \times 3 + 4 &= 570 \div 10 \times 3 + 4 && \text{Work inside} \\
 &= 57 \times 3 + 4 && \text{parentheses first.} \\
 &= 171 + 4 && \text{Multiply and divide next.} \\
 &= 175 && \text{Add and subtract last.}
 \end{aligned}$$

Evaluate each expression. Do the operation in dark type first. Decide which answer is correct. Explain.

1. $5 \times 6 - 3 =$ _____ Correct? _____

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Explain. _____

2. $100 \div 2 \times 5 =$ _____ Correct? _____

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Explain. _____

3. $(6 + 2) \times 5 - 1 =$ _____ Correct? _____

$(6 + 2) \times 5 - 1 =$ _____ Correct? _____

Explain. _____