

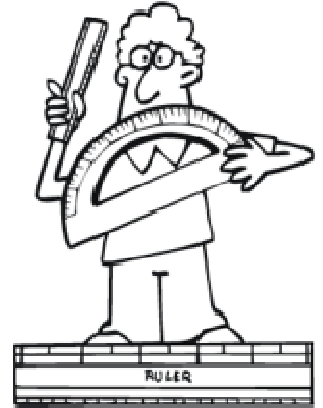
Name _____

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Basic Order of Operations - Step-by-Step Lesson

Solve the problem using the proper order of operations:

$$5 + 8 - 6 =$$



Explanation:

The order of operations tells us what order must be used when evaluating numerical expressions with two or more operations. The basic order of operations can be summed up using the acronym **PEMDAS**.

P = Parenthesis (Do everything in the parenthesis first)

E = Exponents (Calculate all exponents second)

M = Multiplication (Multiply third)

D = Division (Process all division operations fourth)

A = Addition (Add all numbers fifth)

S = Subtract (Process all differences last)

In this example: $5 + 8 - 6 =$

We have two operations addition subtraction

PEMDAS tells us that addition comes first:

Add $5 + 8$ and then subtract $13 - 6$ in order from left to right.

$$5 + 8 - 6$$

$$13 - 6 = 7$$

Answer is: 7

