**List the order of operations.**

Do these first-\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Then do - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Then calculate left to right - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

And last calculate left to right - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**The order of operations can be used in solving multi-step problems.**

*You buy 4 notebooks for $2 each, 5 mechanical pencils for $3 each, and 2 binders for $5 each. What is the total cost?*

1. Group the like purchases

4 • 2 notebook cost

5 • 3 pencil cost

2 • 5 binder cost

1. Add the purchases

(4 • 2) + (5 • 3) + (2 • 5)

1. Write your solution

$33

*A ski resort charges $40 per adult and $30 per student for a one-day pass. How much would it cost for 2 adult and 4 student one-day passes?*

1. Group the like purchases
2. Add the purchases
3. Write your solution

**There are functions on the scientific calculator that follow PEMDAS.**

Parentheses- ( )

Exponents - xy ^ x2