

Activity Sheet 3 - Homework Keep Those Expressions in "Order"

Summary of the Basic Steps:

1. Write the problem.
2. Fill in the PEMDAS table.
3. Simplify any parenthesis first, starting with the inner most group, and check off the "P" box or put a slash (/) if the operation is not part of the problem.
4. Simplify any powers (exponents) and check off the "E" box or put a slash (/) if the operation is not part of the problem.
5. Perform the multiplication and division in order from left to right and check off the "M" & "D" boxes or put a slash (/) if the operation is not part of the problem.
6. Do the addition and subtraction last. Remember, if the operations are written next to each other work from left to right and check off the last two boxes or put a slash (/) if the operation is not part of the problem.

P	E	M	D	A	S
P	E	M	D	A	S
P	E	M	D	A	S
P	E	M	D	A	S
P	E	M	D	A	S
P	E	M	D	A	S

$$2 + 3 [5 + (4-1)^2]$$

P	E	M	D	A	S
P	E	M	D	A	S
P	E	M	D	A	S
P	E	M	D	A	S
P	E	M	D	A	S
P	E	M	D	A	S

$$5 \cdot 8 + 6 \div 6 - 12 \cdot 2$$

P	E	M	D	A	S
P	E	M	D	A	S
P	E	M	D	A	S
P	E	M	D	A	S
P	E	M	D	A	S
P	E	M	D	A	S

$$9 + 6(8^2 - 5)$$

Construct your own PEMDAS table and use it as your evaluate the following expression.

$$4 \cdot 3 \div 6 + 10 \cdot 5 \div 2$$