

## Order of Operations -- PEMDAS Practice Worksheets

Remember, PEMDAS (Please Excuse My Dear Aunt Sally) stands for:

Left-Right  $\left\{ \begin{array}{l} \text{Multiplication} \\ \text{Division} \end{array} \right.$   
 Left-Right  $\left\{ \begin{array}{l} \text{Addition} \\ \text{Subtraction} \end{array} \right.$

Parenttheses  
 Exponents  
 Multiplication  
 Division  
 Addition  
 Subtraction

G  
E  
M  
D  
A  
S

$( )$  - Parentheses

$[ ]$  - Brackets

$\{ \}$  - Braces

$\frac{\quad}{\quad}$  - Fraction Bar

$||$  - Absolute Value

$$\begin{array}{r} 7 \\ 18 \\ \hline 142 \end{array}$$

1.  $14 + 18 \div 2 \times 18 - 7$

$$14 + 9 \cdot 18 - 7$$

$$14 + 162 - 7$$

$$176 - 7 = 169$$

2.  $15 \times 18 + 12 \div 3 + 9$

7.  $10 - 9 \times 24 + 8 \times 6$

8.  $10 \div 5 + 10 - 9 \times 11$

3.  $8 \times 4 + 9 - 9 + 18$

9.  $3 \times 19 \times 14 + 18 \div 2$

4.  $11 \times 11 - 6 \times 17 + 4$

10.  $10 \times 12 - 14 \div 2 + 15$

5.  $2 - 1 + 5 \times 4 \times 11$

11.  $14 \div 2 - 1 + 3$

$$7 - 1 + 3$$

$$9$$

6.  $16 \times 7 \times 15 + 11 + 17$

12.  $9 + (15 \div 5) \times 13$

$$9 + 3 \times 13$$

$$9 + 39$$

$$48$$

$$\begin{array}{r} 13 \\ 3 \\ \hline 39 \end{array}$$

13.  $12 \div 3 \times 12 + 10$

14.  $16 \times 15 \div 5 + 12$

15.  $2 \times 10 + 10 - 8$

16.  $24 \div 4 + 14 \times 2$

17.  $11 \times 10 - 12 \div 3$

18.  $8 \div 4 \times 2 + 18$

19.  $18 \div 6 + 4 \times 15$

20.  $2 - 20 \div 5 \times 3$

21.  $(6 + 4)^2 + (11 + 10 \div 2)$

22.  $(11 + 42 - 5) \div (11 - 4)$

23.  $(17 - 3) \times (14 - 6) - 22$

24.  $(9 + 33 - 6) \div 6 - 3^2$   
 $36 \div 6 - 3^2$   
 $36 \div 6 - 9$       - 3

25.  $(10 + 43 - 5) \div 6 + 5^2$   
 $48 \div 6 + 5^2$   
 $48 \div 6 + 25$       8 + 25  
33

26.  $2 \times (9 \times 5 + 3^2) + 4$

27.  $(6 + 3)^2 + (9 - 10 \div 5)$   
 $9^2 + (9 - 2)$   
 $81 + 7 = 88$

28.  $(10 + 59 - 3^2) \div (24 - 4)$

29.  $4 \times (12 \times 6 - 4^2) + 9$

30.  $(19 - 8) \times (10 + 4) + 8^2$