

## Order of Operations



**LET'S REVIEW!** When evaluating expressions using the order of operations, we remember to use **P E M D A S**.

**WORK WITH YOUR PARTNER TO EVALUATE THE FOLLOWING:**

1.  $14 \div 2 + 5 \times 4$

$$7 + 20$$

$$\boxed{27}$$

3.  $6(7 - 4)^2$

$$6(3)^2$$

$$6(9)$$

$$\boxed{54}$$

2.  $4 + 8 \times 2^2$

$$4 + 8 \times 4$$

$$4 + 32 = \boxed{36}$$

4.  $\frac{2+5 \times 2}{16 \div 4 - 2}$

$$\frac{2+10}{4-2} = \frac{12}{2} = \boxed{6}$$

**WORD PROBLEMS:** For the following word problems, write an expression that represents the situation and then use the Order of Operations to evaluate the expression.

1. A certain small factory employs 98 workers. Of these, 10 receive a wage of \$150 per day and the rest receive \$85.50 per day. To the management, a week is equal to 6 working days. How much does the factory pay out for each week?

**Expression:**  $6[(10 \times 150) + (88 \times 85.50)]$

**Work:**  $6[1500 + 7524] = 6[9024] = \boxed{\$54,144}$



LET'S PRACTICE!! \*whiteboards or magnets

1.

2.

3.

4.

5.

6.

7.

8.

9.

10.

11.

12.

13.

14.