Learning Target: I can evaluate numerical expressions including exponents.

An exponent is used to represent ________________________________.

$6^3 = ________________________________$

$7 \times 7 \times 7 \times 7 = ________________________________$

Five to the second power = _________________

List the order of operations (PEMDAS):

  P: ________________________________

  E: ________________________________

  M: ________________________________

  D: ________________________________

  A: ________________________________

  S: ________________________________

Be able to use order of operations (PEMDAS) to evaluate numerical expressions

$9 \times 5 - 3^2$ $3^2 - 2 \times (6 - 3) + 4$ $30 \div 2 - 4 \times 3$

Underline which part of the expression would be performed FIRST: $5 + 4 \times (11 - 2) \div 2$
Learning Target: I can evaluate algebraic expressions.

Be able to use substitution to find the value of the problem.

\[ p + 17 \text{ if } p = 8 \quad 5t \text{ if } t = 2 \quad \frac{30}{d} \text{ if } d = 5 \]

\[ 3m + g \text{ if } m = 4 \text{ and } g = 1 \quad 2w + z \text{ if } w = 9 \text{ and } z = 3 \]

Learning Target: I can identify and use properties of operations to simplify expressions.

Which property is being used in each expression below?

\[ 5 \times 1 = 5 \quad 5 + 8 = 8 + 5 \quad (7 \times 4) \times 2 = 7 \times (4 \times 2) \quad 9 \times 7 = 7 \times 9 \]
\[ (10 + 5) + 9 = 10 + (5 + 9) \quad 3(2 + 7) = 6 + 21 \quad 13 + 0 = 13 \]

Learning Target: I can use the distributive property to simplify expressions.

\[ 4(6 + 2) \quad 9(7 + 1) \quad 6(3 + 8) \]