

## Order of Operations

Objectives: 1. TSW use order of operations to simplify expressions

P - Parenthesis

E - Exponents

< M - Multiplication > From left to right

D - Division

< A - Add > From left to right

S - Subtract

### Examples

1.  $(5 \cdot 4) - 18 \div 2$

$$20 - 18 \div 2$$

$$20 - 9$$

$$11$$

2.  $6^2 \div 4 - 2 \cdot 3$

$$36 \div 4 - 2 \cdot 3$$

$$9 - 2 \cdot 3$$

$$9 - 6$$

$$3$$

3.  $2(4 + 10) \div 7 + 5^2 \cdot 2$

$$2(14) \div 7 + 5^2 \cdot 2$$

$$2 \cdot 14 \div 7 + 25 \cdot 2$$

$$28 \div 7 + 25 \cdot 2$$

$$4 + 25 \cdot 2$$

$$4 + 50$$

$$54$$

4.  $8 + 2 \cdot 15 - 60 \div 3$

5.  $6 \div 2 + 14 \div 7 \cdot 12$

6.  $8 + (9 \cdot 6 + 8) \div 2 - 13 \cdot 3$