

Notes 1-1 A

Int 1

Order of Operations

Unit 1

What is the Order of Operations?

1st: Grouping Symbols $() [] \{ \}$ P

2nd: Exponents $4^2 = 4 \cdot 4 = \boxed{16}$ E

3rd: Multiply or Divide $L \rightarrow R$ MD

4th: Add or Subtract $L \rightarrow R$ AS

Ex. 1: $27 - 25 \div 5 \cdot 3 + 9$

$$27 - 5 \cdot 3 + 9$$

$$27 - 15 + 9$$

$$12 + 9$$

$$\boxed{21}$$

$$\begin{array}{r} 27 \\ -15 \\ \hline 12 \end{array}$$

~~P~~
~~E~~
~~MD~~
AS

Ex. 2: $12 - 4 + 8 - 5 + 7$

$$8 + 8 - 5 + 7$$

$$16 - 5 + 7$$

$$11 + 7$$

$$\boxed{18}$$

$$\begin{array}{r} 16 \\ -5 \\ \hline 11 \end{array}$$

Use \cdot not \times for multiply!!!

Name:

Period:

Notes 1-1 A

Int 1

$2 \cdot 2 \cdot 2 = 8$ Order of Operations

Unit 1

Ex. 3: $25 - 4^2 + 6 - 7 + 2^3$

$25 - 16 + 6 - 7 + 8$

$9 + 6 - 7 + 8$

$15 - 7 + 8$

$8 + 8$

16

$$\begin{array}{r} 25 \\ -16 \\ \hline 9 \end{array}$$

~~P~~
~~E~~
~~MD~~
AS

Ex. 4: $8(3) - 7 + 3 + 12 \div 6$

$8 \cdot 3 - 7 + 3 + 12 \div 6$

$24 - 7 + 3 + 12 \div 6$

$24 - 7 + 3 + 2$

$17 + 3 + 2$

22

~~P~~
~~E~~
~~MD~~
AS