

You need out your warm up & agenda

Homework: Order of Operations

Opening: Use Order of Operations to solve:

$$1) 9 - (15 / -5) + 4^2$$

$$9 - -3 + 4^2 \quad 4 \cdot 4$$

$$9 + 3 + 16 = 28$$

~~P~~~~E~~~~M~~~~D~~~~A~~~~S~~

Use your integer rules!!!

$$2) (4 \cdot -5) / 2 + 5$$

$$-20 / 2 + 5$$

$$-10 + 5$$

$$-5$$

$$\begin{array}{r} + \\ 5 \overline{) 10} \\ \underline{-10} \\ 0 \end{array}$$

Quick Integer Review!

-Add/Subtract = tchart

-5 = minus 5 or negative 5

-Multiply/Divide = sleeping man

HW = 2, 4, 5, 8

Order of Operations Practice

1) $(-4 + 6) \cdot 3 + 6$

$$\begin{array}{l} \frac{+}{6} \frac{-}{4} \\ 2 \cdot 3 + 6 \\ \quad 6 + 6 \\ \quad \quad 12 \end{array}$$

PE(MD)(AS)

2) $(18 \div -2) + 3 \cdot 6$

3) $[(20 \div 5) \cdot 3] + 7 - 2$

$$\begin{array}{l} [4 \cdot 3] + 7 - 2 \\ 12 + 7 - 2 \\ 19 - 2 = 17 \end{array}$$

4) $3 + 2^2(1 + 8)$

5) $24 + [(11 + 4) + 2^2]$

$\frac{+}{2} \frac{-}{9}$

$\frac{+}{11} \frac{-}{7}$

$\frac{+}{13} \frac{-}{6}$ ~~13~~

7) $[(13 - 6) - (8 \div -2)] + 4$

$[(13 - 6) - -4] + 4$

$[7 + 4] + 4$

$\frac{+}{4} \frac{-}{7}$
 $\frac{+}{4} \frac{-}{11}$

$11 + 4$

(15)

6) $[11 + (12 \div 6 - 9)] - 7$

$[11 + (2 - 9)] - 7$

$[11 + -7] - 7$

$4 - 7$

(-3)

8) $4 + [-7 \cdot (13 - 6)] - 5$

$$\textcircled{1} (9 + 67 - 4^2) \div (-5 + 7)$$

$$\textcircled{2} (14 + 21 - 3) \div -2 + 2^2$$

$$\begin{array}{r} + \\ 14 \\ 21 \\ \hline 35 \end{array}$$

$$(35 - 3) \div -2 + 2^2$$

$$32 \div -2 + 2^2$$

$$32 \div -2 + 4$$

$$-16 + 4$$

$$\textcircled{-12}$$

$$\begin{array}{r} + \\ 4 \\ \hline 16 \end{array}$$

$$(9 + 67 - 4^2) \div (-5 + 7)$$

$$\xrightarrow{E} (9 + 67 - 16) \div (-5 + 7)$$

$$\xrightarrow{A} (76 - 16) \div (-5 + 7)$$

$$\frac{76}{75}$$

$$60 \div (-5 + 7)$$

$$60 \div 2 = 30$$

Math-O