

P parenthesis or other grouping symbols

E exponents

M multiply and divide in order from left to right

D

A

S add and subtract in order from left to right

*order of operations*

p.18

$$25 - 3(4 \cdot 3^2)$$

$$25 - 3(4 \cdot 9)$$

$$25 - 3(36)$$

$$25 - 108$$

$$\textcircled{-83}$$

$$\begin{array}{r} 108 \\ -25 \\ \hline \end{array}$$

Absolute  
value

$$|-3| - 7(6 - 2^3)^2$$

$$|-3| - 7(6 - 8)^2$$

$$|-3| - 7(-2)^2$$

$$|-3| - 7(4)$$

$$|-3| - 28$$

$$3 - 28$$

$$-25$$

$$2^3$$
$$2 \times 2 \times 2$$
$$\downarrow$$
$$4 \times 2$$
$$8$$

$$(-2)(-2)$$

$$\frac{104}{14} \quad \frac{(2 \cdot 5)^2 + 4}{3^2 + 5}$$

$$\begin{array}{r} (10)^2 + 4 \\ 100 + 4 \\ 104 \end{array}$$

$$\begin{array}{r} 7 \\ 14 \overline{)104} \\ \underline{98} \\ 6 \end{array}$$

$$7 \frac{6}{14} = \left( 7 \frac{3}{7} \right)$$

$$\begin{array}{r} 9 + 5 \\ 14 \end{array}$$

you try:

$$9 - 2^3$$

$$72 - (7 + 8) \cdot 4$$

$$64 - 4 \cdot 2^3 + 7$$

$$3 + 7(2^3 - 6)^2$$

7th C.9  
8th V.8

IXL 7th Grade

C.9

8th Grade

V.8