

Name:
Period:

Date:

Order of Operations

-Steps to follow when you do a problem

① Please ② Excuse ③ My Dear ④ Aunt Sally

a x u i d u
r p l v d b
e o t i t
n n i d r
t e p e a
h n l c
e t y t
s s
e $5^2 = 5 \cdot 5$
s

★ From Left to Right!

★ DIFFERENT RULES!

1.5 Rules for Multiplying and Dividing Integers

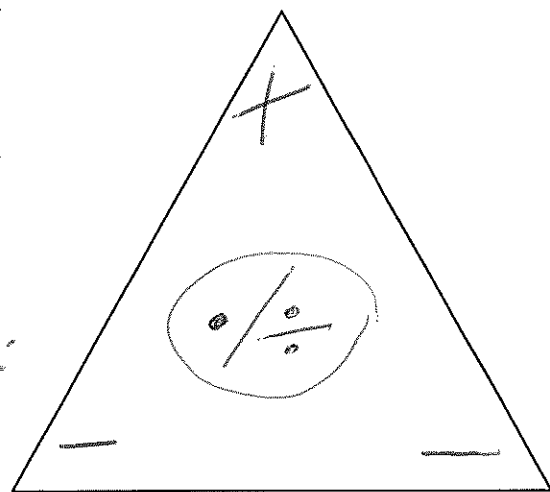
1. times =

2. times =

3. times =

★ Same signs:
positive

★ Different signs:
negative



★ DOT Triangle★

25.6

Examples:

Ex. 1: $-7 \cdot -3$

① $-7 \cdot -3 = 21$
② 21

Ex. 2: $-9 \cdot 2$

① -18

Ex. 3: $4 \cdot -3$

① -12

Ex. 6: $20 \div 5$

$$\begin{array}{r} 4 \\ 5 \overline{)20} \\ \underline{20} \\ 0 \end{array}$$

① 4

Ex. 7: $15 \div -3$

① -5

Ex. 8: $-2 \div -2$

① 1

Ex 9: $-13 \cdot 3 \cdot (-2)$ Ex 10: $\frac{-240}{-20}$

$$\begin{array}{r} 13 \\ \times 3 \\ \hline 39 \end{array}$$

$$-39 \cdot -2 = +\frac{39}{78}$$

★ 78

$$\textcircled{1} \quad 21 + 9 \cdot 2$$

$$21 + 18 \quad \begin{array}{r} 21 \\ + 18 \\ \hline 39 \end{array}$$

$$\textcircled{39}$$

$$\textcircled{2} \quad 3(5) + 4 \div 2$$

$$15 + 4 \div 2$$

$$15 + 2$$

$$\textcircled{17}$$

$$\textcircled{3} \quad (3 + 7) \div 2$$

$$10 \div 2$$

$$\textcircled{5}$$

$$\textcircled{4} \quad 5 \cdot (6 + 3^2)$$

$$5 \cdot (6 + 9)$$

$$5 \cdot (15) = \textcircled{75}$$

~~$$5 \cdot 9^2$$

$$5 \cdot 81$$~~

$$\textcircled{5} \quad 8 + 8 \div 2 + 3$$

$$8 + 4 + 3$$

$$12 + 3 = \textcircled{15}$$

$$\textcircled{6} \quad \frac{(8 + 4)}{(8 - 6)} = \frac{12}{2} = \boxed{6}$$

$$(8 + 4) \div (8 - 6)$$

$$\textcircled{7} \quad 6 \cdot 7 - \frac{18}{6}$$

$$42 - \frac{18}{6}$$

$$42 - 3$$

$$\textcircled{39}$$