

Learning Objectives:

- Know how to use the four rules multiply and divide integers
- Find the product of quotient of two or more numbers

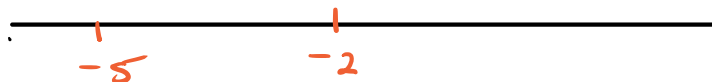
$\times$

$\div$

$$-2 + (-3)$$

$$= -2 + -3$$

$$= -2 - 3 = \boxed{-5}$$



4 rules

$$\begin{array}{c} ++ \\ -- \end{array} \} +$$

$$\begin{array}{c} +- \\ -+ \end{array} \} -$$

eg.

$$2 \times 3 = +6 = 6$$

$$+2 \times +3$$

$$- + = -$$

$$+ + = +$$

eg.

$$-2 \times 3 = -6$$

$$-2 + -2 + -2$$

$$-2 - 2 - 2$$

eg.

$$\begin{aligned} -3 \times -4 &= +12 \\ &= \underline{\underline{12}} \end{aligned}$$



eg.

$$7 \times -3 = \underline{\underline{-21}}$$

Division (Quotient)

$$100 \div 10 = 10$$

$$\text{eg } 63 \div -7 = \underline{\underline{-9}}$$

$$\text{eg } -144 \div -12 = +12$$

$$= \underline{\underline{12}}$$

B.F.T.

$$\frac{-144}{-12} = -144 \div -12$$

=

$$+ 12$$

$$= \underline{\underline{12}}$$

eg.

$$\begin{array}{r} -6 \\ 4 \end{array} \begin{array}{l} \nearrow \div 2 \\ \searrow \div 2 \end{array} = \frac{-3}{2}$$

eg.

$$\begin{array}{r} -2 \times 3 \times -4 \\ \hline \end{array} \downarrow$$

$$= \frac{-6 \times -4}{\hline}$$

$$= +24$$

$$= \underline{\underline{24}}$$

eg.

$$\frac{-4 \times 2 \div (-8)}{\hline}$$

$$= \frac{-8 \div (-8)}{\hline}$$

$$= \frac{\cancel{-8} \cdot 1}{\cancel{-8} \cdot 1}$$

$$= +1 = \underline{\underline{1}}$$

B
I
D
M
A
S