

MULTIPLICATIONS AND DIVISIONS OF INTEGERS

Multiplying Integers Rules

$$\begin{array}{l} (+) \times (+) = (+) \\ (-) \times (-) = (+) \\ (+) \times (-) = (-) \\ (-) \times (+) = (-) \end{array}$$

Dividing Integers Rules

$$\begin{array}{l} (+) \div (+) = (+) \\ (-) \div (-) = (+) \\ (+) \div (-) = (-) \\ (-) \div (+) = (-) \end{array}$$

Same Sign = Positive. Different Sign = Negative.

1.- Multiply:

a) $(-3) \cdot (+2) =$

d) $(+8) \cdot (-5) =$

g) $(-7) \cdot (+9) =$

b) $(+12) \cdot (-2) =$

e) $(-21) \cdot (-3) =$

h) $(+11) \cdot (-5) =$

c) $(-9) \cdot (-3) =$

f) $(+9) \cdot (+8) =$

i) $(-6) \cdot (+12) =$

2.- Divide:

a) $(-30) : (+2) =$

d) $(+18) : (-6) =$

g) $(-72) : (+9) =$

b) $(+12) : (-4) =$

e) $(-121) : (-11) =$

h) $(+100) : (-5) =$

c) $(-90) : (-3) =$

f) $(+49) : (+7) =$

i) $(-60) : (+12) =$

3.- Work out, step by step:

a) $(-3) \cdot [(+5) \cdot (-2)] =$

$$\begin{array}{c} \diagdown \\ \cdot \\ \diagup \end{array} =$$

c) $(+36) : [(+4) \cdot (-3)] =$

$$\begin{array}{c} \diagdown \\ : \\ \diagup \end{array} =$$

b) $[(+15) \cdot (-4)] : [(-3) \cdot (-2)] =$

$$\begin{array}{c} \diagdown \quad \diagdown \\ : \\ \diagup \end{array} =$$

d) $[(+75) : (+5)] \cdot [(-6) : (-2)] =$

$$\begin{array}{c} \diagdown \quad \diagdown \\ \cdot \\ \diagup \end{array} =$$