

MULTIPLYING INTEGERS

Worksheet #4

Name: _____

Class: _____

Learning Goal: Students will be able to multiply integers in the form $a \times (-b) \times c$ using proper sign rules.

Example:

$$2 \times (-2) \times 5 = -20$$

+	-	-
-	+	-
-	-	+

$$2 \times (-3) \times 4 = \square$$

$$5 \times (-2) \times 6 = \square$$

$$3 \times (-4) \times 5 = \square$$

$$7 \times (-1) \times 9 = \square$$

$$4 \times (-5) \times 3 = \square$$

$$6 \times (-2) \times 10 = \square$$

$$8 \times (-3) \times 2 = \square$$

$$9 \times (-4) \times 1 = \square$$

MULTIPLYING INTEGERS

Worksheet #4(Answers)

Name: _____

Class: _____

Learning Goal: Students will be able to multiply integers in the form $a \times (-b) \times c$ using proper sign rules.

Example:

$$2 \times (-2) \times 5 = -20$$

$$2 \times (-3) \times 4 = \square$$

$$\begin{aligned} 2 \times (-3) \times 4 & \quad \text{Positive} \times \text{Negative} = \text{Negative} \\ = -6 \times 4 & \quad \text{Negative} \times \text{Positive} = \text{Negative} \\ = -24 & \end{aligned}$$

$$5 \times (-2) \times 6 = \square$$

$$\begin{aligned} 5 \times (-2) \times 6 & \quad \text{Positive} \times \text{Negative} = \text{Negative} \\ = -10 \times 6 & \quad \text{Negative} \times \text{Positive} = \text{Negative} \\ = -60 & \end{aligned}$$

$$3 \times (-4) \times 5 = \square$$

$$\begin{aligned} 3 \times (-4) \times 5 & \quad \text{Positive} \times \text{Negative} = \text{Negative} \\ = -12 \times 5 & \quad \text{Negative} \times \text{Positive} = \text{Negative} \\ = -60 & \end{aligned}$$

$$7 \times (-1) \times 9 = \square$$

$$\begin{aligned} 7 \times (-1) \times 9 & \quad \text{Positive} \times \text{Negative} = \text{Negative} \\ = -7 \times 9 & \quad \text{Negative} \times \text{Positive} = \text{Negative} \\ = -63 & \end{aligned}$$

$$4 \times (-5) \times 3 = \square$$

$$\begin{aligned} 4 \times (-5) \times 3 & \quad \text{Positive} \times \text{Negative} = \text{Negative} \\ = -20 \times 3 & \quad \text{Negative} \times \text{Positive} = \text{Negative} \\ = -60 & \end{aligned}$$

$$6 \times (-2) \times 10 = \square$$

$$\begin{aligned} 6 \times (-2) \times 10 & \quad \text{Positive} \times \text{Negative} = \text{Negative} \\ = -12 \times 10 & \quad \text{Negative} \times \text{Positive} = \text{Negative} \\ = -120 & \end{aligned}$$

$$8 \times (-3) \times 2 = \square$$

$$\begin{aligned} 8 \times (-3) \times 2 & \quad \text{Positive} \times \text{Negative} = \text{Negative} \\ = -24 \times 2 & \quad \text{Negative} \times \text{Positive} = \text{Negative} \\ = -48 & \end{aligned}$$

$$9 \times (-4) \times 1 = \square$$

$$\begin{aligned} 9 \times (-4) \times 1 & \quad \text{Positive} \times \text{Negative} = \text{Negative} \\ = -36 \times 1 & \quad \text{Negative} \times \text{Positive} = \text{Negative} \\ = -36 & \end{aligned}$$