

DIVIDING INTEGERS

Worksheet #3

Name: _____

Class: _____

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

Example:

$$(-12) \div (-3) = 4$$

+	-	-
-	+	-
-	-	+

$$(-32) \div (-2) = \square$$

$$(-45) \div (-3) = \square$$

$$(-48) \div (-4) = \square$$

$$(-65) \div (-5) = \square$$

$$(-72) \div (-8) = \square$$

$$(-90) \div (-9) = \square$$

$$(-56) \div (-7) = \square$$

$$(-77) \div (-11) = \square$$

DIVIDING INTEGERS

Worksheet #3 (Answers)

Name: _____

Class: _____

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

Example:

$$(-12) \div (-3) = 4$$

$$(-32) \div (-2) = \square$$

$$\begin{aligned} -32 \div -2 & \quad \text{Negative} \div \text{Negative} = \text{Positive} \\ & = 16 \end{aligned}$$

$$(-45) \div (-3) = \square$$

$$\begin{aligned} -45 \div -3 & \quad \text{Negative} \div \text{Negative} = \text{Positive} \\ & = 15 \end{aligned}$$

$$(-48) \div (-4) = \square$$

$$\begin{aligned} -48 \div -4 & \quad \text{Negative} \div \text{Negative} = \text{Positive} \\ & = 12 \end{aligned}$$

$$(-65) \div (-5) = \square$$

$$\begin{aligned} -65 \div -5 & \quad \text{Negative} \div \text{Negative} = \text{Positive} \\ & = 13 \end{aligned}$$

$$(-72) \div (-8) = \square$$

$$\begin{aligned} -72 \div -8 & \quad \text{Negative} \div \text{Negative} = \text{Positive} \\ & = 9 \end{aligned}$$

$$(-90) \div (-9) = \square$$

$$\begin{aligned} -90 \div -9 & \quad \text{Negative} \div \text{Negative} = \text{Positive} \\ & = 10 \end{aligned}$$

$$(-56) \div (-7) = \square$$

$$\begin{aligned} -56 \div -7 & \quad \text{Negative} \div \text{Negative} = \text{Positive} \\ & = 8 \end{aligned}$$

$$(-77) \div (-11) = \square$$

$$\begin{aligned} -77 \div -11 & \quad \text{Negative} \div \text{Negative} = \text{Positive} \\ & = 7 \end{aligned}$$