

# DIVIDING INTEGERS

## Worksheet #1

Name: \_\_\_\_\_ Class: \_\_\_\_\_

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

**Example:**

$$30 \div (-5) = -6$$

+	-	-
-	+	-
-	-	+

$$15 \div (-5) = \square$$

$$28 \div (-14) = \square$$

$$21 \div (-7) = \square$$

$$32 \div (-4) = \square$$

$$45 \div (-5) = \square$$

$$(63) \div (-5) = \square$$

$$(49) \div (-7) = \square$$

$$(75) \div (-3) = \square$$

# DIVIDING INTEGERS

## Worksheet #1 (Answers)

Name: \_\_\_\_\_ Class: \_\_\_\_\_

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

**Example:**

$$30 \div (-5) = -6$$

$$15 \div (-5) = \square$$

$$15 \div (-5) \quad \text{Positive} \div \text{Negative} = \text{Negative}$$
$$= -3$$

$$28 \div (-14) = \square$$

$$28 \div (-14) \quad \text{Positive} \div \text{Negative} = \text{Negative}$$
$$= -2$$

$$21 \div (-7) = \square$$

$$21 \div (-7) \quad \text{Positive} \div \text{Negative} = \text{Negative}$$
$$= -3$$

$$32 \div (-4) = \square$$

$$32 \div (-4) \quad \text{Positive} \div \text{Negative} = \text{Negative}$$
$$= -8$$

$$45 \div (-5) = \square$$

$$45 \div (-5) \quad \text{Positive} \div \text{Negative} = \text{Negative}$$
$$= -9$$

$$(63) \div (-5) = \square$$

$$63 \div (-9) \quad \text{Positive} \div \text{Negative} = \text{Negative}$$
$$= -7$$

$$(49) \div (-7) = \square$$

$$49 \div (-7) \quad \text{Positive} \div \text{Negative} = \text{Negative}$$
$$= -7$$

$$(75) \div (-3) = \square$$

$$75 \div (-3) \quad \text{Positive} \div \text{Negative} = \text{Negative}$$
$$= -25$$