

Multiplying and Dividing Integers

Name _____

Date _____ Period _____

The product of **two positive integers** or **two negative integers** is **positive**.

Same sign $\Rightarrow$ **positive**

The product of a **positive integer** and a **negative integer** is **negative**.

Different signs $\Rightarrow$ **negative**

Determine the “sign” of the following integers.

4

-6

12

-8

-2

3

The product of **two positive integers** or **two negative integers** is **positive**.

Same sign $\Rightarrow$ **positive**

The product of a **positive integer** and a **negative integer** is **negative**.

Different signs $\Rightarrow$ **negative**

Multiply the following integers

$$5(8)$$

$$-5(-8)$$

$$-5(8)$$

The product of **two positive integers** or **two negative integers** is **positive**.

Same sign $\Rightarrow$ **positive**

The product of a **positive integer** and a **negative integer** is **negative**.

Different signs $\Rightarrow$ **negative**

Multiply the following integers

$$-4(12)$$

$$-2(-7)$$

$$6(-9)$$

The product of **two positive integers** or **two negative integers** is **positive**.

Same sign $\Rightarrow$ **positive**

The product of a **positive integer** and a **negative integer** is **negative**.

Different signs $\Rightarrow$ **negative**

Multiply the following integers

$$-4(-4)$$

$$3(4)$$

$$-2(13)$$

The quotient of **two positive integers** or **two negative integers** is **positive**.

Same sign $\Rightarrow$ **positive**

The quotient of a **positive integer** and a **negative integer** is **negative**.

Different signs $\Rightarrow$ **negative**

Divide the following integers

$$-12 \div -4$$

$$9 \div 3$$

$$-12 \div 2$$

The quotient of **two positive integers** or **two negative integers** is **positive**.

Same sign $\Rightarrow$ **positive**

The quotient of a **positive integer** and a **negative integer** is **negative**.

Different signs $\Rightarrow$ **negative**

Divide the following integers

$$24 \div -4$$

$$18 \div 6$$

$$-28 \div 7$$

The quotient of **two positive integers** or **two negative integers** is **positive**.

Same sign $\Rightarrow$ **positive**

The quotient of a **positive integer** and a **negative integer** is **negative**.

Different signs $\Rightarrow$ **negative**

Divide the following integers

$$\frac{12}{-4}$$

$$\frac{-15}{-3}$$

$$\frac{-35}{5}$$

Same sign $\Rightarrow$ **positive**

Different signs $\Rightarrow$ **negative**