

Review Exercise Set 8

Exercise 1: Multiply. $-4 * 6 = ?$

Exercise 2: Multiply. $(-3)(-3) = ?$

Exercise 3: Multiply. $4 * (-3) * (-3) = ?$

Exercise 4: Divide. $18 \div (-2) = ?$

Exercise 5: Divide. $-24 \div (-3) = ?$

Exercise 6: Divide. $-53 \div 0 = ?$

Review Exercise Set 8 Answer Key

Exercise 1: Multiply. $-4 * 6 = ?$

$$\mathbf{-4 * 6 = -24}$$

Multiplying two numbers with opposite signs (one positive and one negative) will give you a negative answer.

Exercise 2: Multiply. $(-3)(-3) = ?$

$$\mathbf{(-3)(-3) = 9}$$

Remember that two negative number multiplied together will produce a positive product.

Exercise 3: Multiply. $4 * (-3) * (-3) = ?$

$$\begin{aligned} &\mathbf{4 * (-3) * (-3)} \\ &= \mathbf{-12 * (-3)} \\ &= \mathbf{36} \end{aligned}$$

The associative property of multiplication will allow you to multiply these three numbers in any order. You would get the same answer if you started by multiplying the two negative threes together. $4 * (-3) * (-3) = 4 * 9 = 36$

Exercise 4: Divide. $18 \div (-2) = ?$

$$\mathbf{18 \div (-2) = -9}$$

Exercise 5: Divide. $-24 \div (-3) = ?$

$$\mathbf{-24 \div (-3) = 8}$$

Just as with multiplication, if you are dividing two negative numbers you answer will be positive.

Exercise 6: Divide. $-53 \div 0 = ?$

$$\mathbf{-53 \div 0 = \text{undefined}}$$

It is not possible to divide by zero.