

Objective 16

Divide integers

PROBLEM

Divide: $(-54) \div (-9)$

STEP 1

Divide the absolute values of the integers.

$$|-54| \div |-9| = 54 \div 9 \\ = 6$$

STEP 2

Apply the rules for dividing integers.

The quotient of two integers with the same sign is positive.
The quotient of two integers with different signs is negative.

Both -54 and -9 are negative integers. The quotient is positive.

ANSWER

$$(-54) \div (-9) = 6$$

Independent Practice:

$$-99 \div (-9) =$$

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

Guided Practice:

Divide the following integers:

$$-54 \div 3 =$$

$$44 \div (-4) =$$

Additional Help:

<http://www.math.com/school/subject1/lessons/S1U1L12DP.html>

http://www.aaamath.com/div65_x2.htm