



## Dividing Integers

**Rule 5:** When multiplying numbers with the same sign, the answer is positive.

**Rule 6:** When multiplying or dividing numbers with different signs, the answer is negative.

**Example:**

**Simplify**  $-12 \div 6 = -2$       **Simplify**  $(-25) / (-5) = 5$       **Simplify**  $\frac{-14}{-2} = 7$

**Simplify the following.**

1.  $(-8) \div (-4)$

2.  $(-22) / (+11)$

3.  $+40 \div (-10)$

4.  $\frac{-9}{-3}$

5.  $(-14) / (+2)$

6.  $(10) \div (-2)$

7.  $20 \div (-5)$

8.  $-36 / (-4)$

9.  $32 \div (-8)$

10.  $(-18) \div (+9)$

11.  $-55 \div (-5)$

12.  $-100 / (+25)$

13.  $\frac{42}{-6}$

14.  $\frac{-45}{-9}$

15.  $\frac{-56}{8}$