

## Dividing Integers

If two integers have the same sign, their quotient is positive.

**Examples**  $m = 420 \div 7$       *The signs are the same.*  
 $m = 60$       *The quotient is positive.*

$d = 290 \div 29$       *The signs are the same.*  
 $d = 10$       *The quotient is positive.*

If two integers have different signs, their quotient is negative.

**Examples**  $f = -25 \div 5$       *The signs are different.*  
 $f = -5$       *The quotient is negative.*

$a = \frac{20}{-4}$       *The signs are different.*  
 $a = -5$       *The quotient is negative.*

**Solve each equation.**

1.  $81 \div -9 = c$

2.  $r = \frac{-72}{8}$

3.  $b = 680 \div 4$

4.  $-325 \div (-5) = p$

5.  $-700 \div 35 = y$

6.  $t = -560 \div (-80)$