

Lesson 2.6 Dividing Integers

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

$$\begin{aligned} 8 \div 2 &= 4 \\ -8 \div (-2) &= 4 \end{aligned}$$

The quotient of two integers with different signs is negative.

$$\begin{aligned} 8 \div (-2) &= -4 \\ -8 \div 2 &= -4 \end{aligned}$$

Divide.

a

b

c

1. $12 \div 4 = \underline{\hspace{2cm}}$

$16 \div (-4) = \underline{\hspace{2cm}}$

$-8 \div 4 = \underline{\hspace{2cm}}$

2. $7 \div (-1) = \underline{\hspace{2cm}}$

$-14 \div 7 = \underline{\hspace{2cm}}$

$24 \div (-6) = \underline{\hspace{2cm}}$

3. $81 \div (-3) = \underline{\hspace{2cm}}$

$-63 \div 9 = \underline{\hspace{2cm}}$

$-55 \div (-5) = \underline{\hspace{2cm}}$

4. $21 \div (-7) = \underline{\hspace{2cm}}$

$-38 \div 2 = \underline{\hspace{2cm}}$

$-19 \div (-1) = \underline{\hspace{2cm}}$

5. $12 \div (-12) = \underline{\hspace{2cm}}$

$42 \div (-21) = \underline{\hspace{2cm}}$

$-60 \div (-10) = \underline{\hspace{2cm}}$

6. $20 \div 2 = \underline{\hspace{2cm}}$

$30 \div (-10) = \underline{\hspace{2cm}}$

$(-50) \div (-10) = \underline{\hspace{2cm}}$

7. $288 \div (-18) = \underline{\hspace{2cm}}$

$(-85) \div (-5) = \underline{\hspace{2cm}}$

$(-36) \div 4 = \underline{\hspace{2cm}}$

8. $136 \div (-8) = \underline{\hspace{2cm}}$

$(-171) \div 19 = \underline{\hspace{2cm}}$

$240 \div 15 = \underline{\hspace{2cm}}$

9. $168 \div 12 = \underline{\hspace{2cm}}$

$(-200) \div 20 = \underline{\hspace{2cm}}$

$14 \div (-7) = \underline{\hspace{2cm}}$

10. $240 \div (-15) = \underline{\hspace{2cm}}$

$(-120) \div (-8) = \underline{\hspace{2cm}}$

$102 \div (-17) = \underline{\hspace{2cm}}$