

5.12

Negative Integer Divided by a Negative Integer

• Example 1

Divide.

The two numbers have the same sign, and so the quotient is positive.

$$\frac{-20}{-5} = 4 \quad \text{Since } -20 = (-5)(4)$$

● ● ● CHECK YOURSELF 1

Find each quotient.

a. $\frac{-48}{-6}$

b. $(-50) \div (-5)$

● ● ● CHECK YOURSELF ANSWER

1. (a) 8; (b) 10.

5.12 Exercises

Name _____

Section _____

Date _____

A N S W E R S

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

Divide.

1. $-20 \div (-2)$

2. $\frac{-24}{-3}$

3. $\frac{-60}{-12}$

4. $\frac{-250}{-25}$

5. $-144 \div (-12)$

6. $\frac{-80}{-16}$

7. $-60 \div (-5)$

8. $-42 \div (-7)$

9. $\frac{-8}{-1}$

10. $-48 \div (-4)$