Additional Examples

Lesson 1-3

Name the set(s) of numbers to which each number belongs.

- a. -13 integers, rational numbers
- b. 3.28 rational numbers

Additional Examples

Lesson 1-3

Which set of numbers is most reasonable for displaying outdoor temperatures?

integers

Rational

Determine whether the statement is true or false. If it is false, give a counterexample.

All negative numbers are integers.

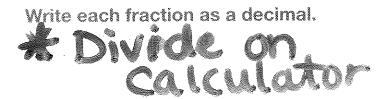
A negative number can be a fraction, such as $-\frac{2}{3}$. This is not an integer. The statement is false.

Write $-\frac{3}{4}$, $-\frac{7}{12}$, and $-\frac{5}{8}$, in order from least to greatest.

$$-\frac{3}{4} = -0.75$$

$$-\frac{7}{12} = -0.58\overline{3}$$

$$-\frac{5}{8} = -0.625$$



 $-0.75 < -0.625 < -0.58\overline{3}$ Order the decimals from least to greatest.

From least to greatest, the fractions are $-\frac{3}{4}$, $-\frac{5}{8}$, and $-\frac{7}{12}$.

5 EXAMPLE Find each absolute value.

a. |-2.5| -2.5 is 2.5 units from 0 on a number line. |-2.5| = 2.5

b. |7| 7 is 7 units from 0 on a number line. |7| = 7