



**EXAMPLE 2** Writing Mixed Numbers as Decimals

**Bowling** The table lists the weights of 5 bowling balls. Write the weights as decimals.

Weight (pounds)	$12\frac{3}{16}$	$12\frac{1}{5}$	$12\frac{2}{11}$	$12\frac{3}{25}$	$12\frac{1}{8}$
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**Solution**

$$12\frac{3}{16} = 12 + \boxed{\phantom{00}} = 12 + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$12\frac{1}{5} = 12 + \boxed{\phantom{00}} = 12 + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$12\frac{2}{11} = 12 + \boxed{\phantom{00}} = 12 + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$12\frac{3}{25} = 12 + \boxed{\phantom{00}} = 12 + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$12\frac{1}{8} = 12 + \boxed{\phantom{00}} = 12 + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

**Answer** In decimal form, the weights are  $\boxed{\phantom{00}}$  pounds,  $\boxed{\phantom{00}}$  pounds,  $\boxed{\phantom{00}}$  pounds,  $\boxed{\phantom{00}}$  pounds, and  $\boxed{\phantom{00}}$  pounds.

**Guided Practice** Write the fraction or mixed number as a decimal.

1. $\frac{9}{20}$	2. $\frac{1}{3}$	3. $\frac{2}{5}$
4. $2\frac{9}{11}$	5. $5\frac{7}{8}$	6. $6\frac{4}{5}$

Think:  
What is the place  
value of the decimal's  
last digit?

**EXAMPLE 3** Writing Terminating Decimals as Fractions

Write the decimal as a fraction or mixed number in simplest form.

a. 0.8

b. -3.225

**Solution**

a.  $0.8 = \frac{8}{\boxed{\phantom{00}}}$  8 is in the  $\boxed{\phantom{00}}$  place.  
 $= \boxed{\phantom{00}}$

b.  $-3.225 = -3 \frac{225}{\boxed{\phantom{00}}}$  5 is in the  $\boxed{\phantom{00}}$  place.  
 $= \boxed{\phantom{00}}$   
 $= \boxed{\phantom{00}}$

**Guided Practice** Write the decimal as a fraction or mixed number in simplest form.

7. 0.9	8. 0.76	9. -1.15	10. -5.25
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**Homework**