

# Lesson 1 Homework Practice

## Terminating and Repeating Decimals

Write each fraction or mixed number as a decimal. Use bar notation if the decimal is a repeating decimal.

1.  $\frac{5}{8}$

2.  $\frac{2}{9}$

3.  $\frac{37}{16}$

4.  $-\frac{3}{4}$

5.  $\frac{27}{50}$

6.  $\frac{121}{25}$

7.  $-\frac{5}{6}$

8.  $\frac{1}{33}$

9.  $\frac{62}{11}$

10.  $\frac{2}{3}$

11.  $-\frac{11}{40}$

12.  $\frac{13}{20}$

13.  $\frac{83}{5}$

14.  $\frac{3}{10}$

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

16.  $\frac{3}{7}$

17.  $\frac{111}{24}$

18.  $\frac{7}{32}$

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

19. 0.4

20.  $-0.83$

21.  $-3.75$

22. 2.42

23. 0.16

24. 0.65

25. **KILOMETERS** One kilometer is approximately 0.62 mile. What fraction represents this length?

26. **MARATHON** Jake completed a marathon race in 3 hours and 12 minutes. Write Jake's running time as a decimal.

## Lesson 2 Problem-Solving Practice

### Compare and Order Rational Numbers

<p><b>1. RAIN</b> The amount of rainfall was measured after a recent storm. The north side of town received <math>\frac{7}{8}</math> inch of rain, and the south side received <math>\frac{13}{15}</math> inch of rain. Which side of town received more rain from the storm?</p>	<p><b>2. MOVIES</b> Because he sees movies at his local theater so often, Delmar is being offered a discount. He can have either <math>\frac{1}{3}</math> off his next ticket or <math>\frac{3}{10}</math> off his next ticket. Which discount should Delmar choose? Explain.</p>
<p><b>3. TRACK</b> Willie runs the 110-meter hurdles in <math>17\frac{3}{5}</math> seconds, and Anier runs it in <math>17\frac{6}{11}</math> seconds. Which runner is faster?</p>	<p><b>4. FARMING</b> Cassie successfully harvested <math>\frac{7}{12}</math> of her crop, and Robert successfully harvested <math>\frac{29}{50}</math> of his crop. Which person successfully harvested the larger portion of his or her crop?</p>
<p><b>5. TRANSPORTATION</b> My-Lien has enough room in her truck to move 3.385 tons of gravel. Her father has asked her to move <math>3\frac{5}{16}</math> tons. Will My-Lien be able to move all of the gravel in only one trip? Explain.</p>	<p><b>6. WOOD WORKING</b> Kishi has a bolt that is <math>\frac{5}{8}</math> inch wide, and she drilled a hole 0.6 inch wide. Is the hole large enough to fit the bolt? Explain.</p>
<p><b>7. PIZZA</b> In a recent pizza-eating contest, Alfonso ate <math>1\frac{3}{8}</math> pizzas, Della ate <math>1\frac{3}{10}</math> pizzas, and Jack ate <math>1\frac{4}{9}</math> pizzas. Which person won the contest?</p>	<p><b>8. STUDYING</b> For a recent algebra exam, Pat studied <math>1\frac{8}{15}</math> hours, Toni studied <math>1\frac{11}{20}</math> hours, and Morgan studied <math>1\frac{9}{16}</math> hours. List the students in order by who studied the most.</p>