

Additional Exercises 5.6

Name: _____

Date: _____

Example 1: Write the fraction as a decimal. $\frac{5}{8}$

Divide 8 into 5.

$$\begin{array}{r} 0.625 \\ 8 \overline{)5.000} \\ \underline{48} \\ 20 \\ \underline{16} \\ 40 \\ \underline{40} \\ 0 \end{array}$$

Example 2: Write as a decimal rounded to the nearest hundredth place. $\frac{3}{7}$

Divide 7 into 3. Divide 3 decimal places and round to two decimal places.

$$\begin{array}{r} 0.428 \\ 7 \overline{)3.000} = 0.43 \\ \underline{28} \\ 20 \\ \underline{14} \\ 60 \\ \underline{56} \\ 4 \end{array}$$

Exercises

Write each fraction as a decimal.

1. $\frac{2}{5}$

1. _____

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

2. _____

3. $\frac{3}{8}$

3. _____

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

4. _____

Write each fraction as a decimal. Round to the nearest hundredth.

5. $\frac{1}{6}$

5. _____

6. $\frac{1}{7}$

6. _____

7. $\frac{4}{7}$

7. _____

8. $\frac{3}{13}$

8. _____

Additional Exercises 5.6 (cont.)

Name: _____

9. $\frac{14}{15}$

9. _____

10. $\frac{7}{12}$

10. _____

Write as a decimal rounded to the nearest thousandth place.

11. A basketball player made $\frac{11}{13}$ of his shots for the season.

11. _____

12. In a recent election for the U.S. Senate, one candidate got about $\frac{65}{109}$ of the votes.

12. _____

Insert $<$, $>$, or $=$ to form a true statement.

13. 0.0438 0.0435

13. _____

14. $\frac{3}{5}$ $\frac{9}{16}$

14. _____

15. $\frac{5}{6}$ $\frac{3}{4}$

15. _____

16. $\frac{3}{5}$ 0.612

16. _____

Write the numbers in order from smallest to largest.

17. 0.333 0.33 $\frac{1}{3}$

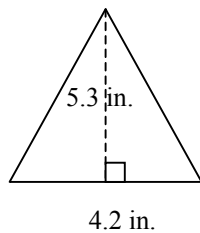
17. _____

18. $\frac{22}{15}$ 1.416 $\frac{17}{12}$

18. _____

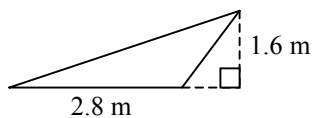
Find the area of each triangle. Use the formula $A = \frac{1}{2}bh$.

19.



19. _____

20.



20. _____