Name _____ Date _____

Lesson 2.3 Extra Practice

Write the fraction or mixed number as a decimal.

1. $\frac{5}{9}$ $0.\overline{5}$

2. $-\frac{3}{8}$ -0.375

3. $-\frac{3}{11}$ $-0.\overline{27}$

4. $\frac{7}{30}$ $0.2\overline{3}$

5. $1\frac{5}{12}$ $1.41\overline{6}$

6. $-2\frac{1}{3}$ $-2.\overline{3}$

7. $-\frac{13}{22}$ $-0.59\overline{09}$

8. $5\frac{1}{6}$ $5.1\overline{6}$

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

9. 0.7 $\frac{7}{10}$

10. −0.3 $-\frac{3}{10}$

11. −0.43 $-\frac{43}{100}$

12. 0.52 $\frac{52}{100} = \boxed{\frac{13}{25}}$

13. 1.25 $1\frac{25}{100} = \boxed{1\frac{1}{4}}$

14. −2.07 $-2\frac{7}{100}$

15. 4.18 $4\frac{18}{100} = \boxed{4\frac{9}{50}}$

16. 3.125 $3\frac{125}{1000} = 3\frac{5}{40} = \boxed{3\frac{1}{8}}$

17. You receive two quarters, one dime, and four pennies back in change.

   a. Write the amount as a decimal. $0.50 + 0.10 + 0.04 = 0.64$

   b. Write the amount as a fraction in simplest form.
   $$\frac{64}{100} = \frac{16}{25}$$

Copy and complete the statement using < or >.

18. $-2\frac{4}{10}$ $\boxed{>}$ -2.45
-2.4

19. $-3\frac{1}{3}$ $\boxed{<}$ -3.3
$-3.\overline{3}$

20. $-5\frac{3}{5}$ $\boxed{>}$ $-5\frac{6}{9}$
-5.6 $\quad -5.\overline{6}$

21. In football, a completion percentage is the number of completions divided by the number of passes. Does Tom or Ian have a higher completion percentage?

Player	Passes	Completions
Tom	22	10
Ian	18	9

$10 \div 22 = 0.\overline{45}$

$9 \div 18 = 0.5$ Ian has higher completion

Order the numbers from least to greatest.

22. $1.6, -\frac{2}{3}, -0.5, \frac{3}{2}, -\frac{5}{2}$

$-0.\overline{6} \quad 1.5 \quad -2.5$

$\boxed{-\frac{5}{2}, -\frac{2}{3}, -0.5, \frac{3}{2}, 1.6}$

23. $\frac{3}{4}, -1.7, 0.6, -\frac{7}{4}, 1.1$

$0.75 \qquad -1.75$

$\boxed{-\frac{7}{4}, -1.7, 0.6, \frac{3}{4}, 1.1}$