

Another Look

For use with Lesson 2-2.

Comparing and Ordering Rational Numbers

Comparing
Fractions

$$\boxed{\frac{2}{5} > \frac{1}{3}} \quad \frac{2}{5} = \frac{6}{15} \text{ and } \frac{1}{3} = \frac{5}{15}, \frac{6}{15} > \frac{5}{15} \text{ so } \frac{2}{5} > \frac{1}{3}$$

Comparing
Mixed Numbers

$$\boxed{5\frac{4}{9} < 7\frac{1}{4}} \quad 5 < 7$$

$$\boxed{3\frac{2}{5} > 3\frac{1}{3}} \quad \frac{2}{5} > \frac{1}{3}$$

Comparing
Decimals

$$\boxed{9.472 < 9.482} \quad 7 < 8$$

Compare. Use $<$ or $>$.

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| 1. $\frac{1}{2} \bigcirc \frac{2}{3}$ | 2. $\frac{5}{6} \bigcirc \frac{3}{8}$ | 3. $\frac{1}{4} \bigcirc \frac{2}{7}$ |
| 4. $\frac{2}{9} \bigcirc \frac{1}{6}$ | 5. $\frac{4}{5} \bigcirc \frac{9}{10}$ | 6. $\frac{6}{7} \bigcirc \frac{9}{11}$ |
| 7. $\frac{5}{12} \bigcirc \frac{3}{4}$ | 8. $\frac{1}{3} \bigcirc \frac{3}{8}$ | 9. $\frac{5}{8} \bigcirc \frac{7}{12}$ |
| 10. $\frac{14}{15} \bigcirc \frac{4}{5}$ | 11. $\frac{7}{20} \bigcirc \frac{3}{5}$ | 12. $\frac{5}{9} \bigcirc \frac{11}{12}$ |
| 13. $1\frac{75}{100} \bigcirc 1\frac{7}{10}$ | 14. $2.37 \bigcirc 2.25$ | 15. $5\frac{5}{6} \bigcirc 4\frac{11}{12}$ |
| 16. $8.5 \bigcirc 8.56$ | 17. $17\frac{5}{12} \bigcirc 17\frac{2}{3}$ | 18. $7\frac{3}{10} \bigcirc 7\frac{1}{4}$ |

List the fractions in order from greatest to least.

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| 19. $\frac{1}{3}, \frac{1}{4}, \frac{2}{5}$ | 20. $\frac{7}{8}, \frac{6}{7}, \frac{2}{3}$ | 21. $\frac{4}{9}, \frac{3}{8}, \frac{1}{2}$ |
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| 22. $2\frac{5}{6}, 3\frac{1}{3}, 2\frac{7}{9}$ | 23. $5\frac{3}{4}, 5\frac{2}{3}, 5\frac{5}{8}$ | 24. $1\frac{1}{2}, 1\frac{9}{16}, 1\frac{5}{12}$ |
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