

# Practice 5-1

## Comparing and Ordering Rational Numbers

**Compare. Use  $>$ ,  $<$ , or  $=$  to complete each statement.**

1.  $\frac{2}{3} \square \frac{7}{9}$

2.  $\frac{3}{5} \square \frac{7}{10}$

3.  $-\frac{3}{4} \square -\frac{13}{16}$

4.  $\frac{9}{21} \square \frac{6}{14}$

5.  $-\frac{2}{8} \square -\frac{7}{32}$

6.  $\frac{7}{9} \square -\frac{8}{9}$

7.  $\frac{5}{8} \square \frac{7}{12}$

8.  $-\frac{4}{5} \square -\frac{7}{8}$

9.  $-\frac{4}{18} \square -\frac{6}{27}$

10.  $\frac{8}{17} \square -\frac{3}{8}$

11.  $\frac{4}{7} \square 2\frac{4}{7}$

12.  $-\frac{9}{11} \square \frac{9}{11}$

13.  $\frac{1}{3} \square -\frac{3}{9}$

14.  $-\frac{12}{6} \square -\frac{9}{3}$

15.  $-\frac{5}{10} \square \frac{-3}{-4}$

**Find the LCM of each group of numbers or expressions.**

16. 7, 21 \_\_\_\_\_

17. 24, 32 \_\_\_\_\_

18. 15, 50 \_\_\_\_\_

19.  $9a^3b, 18abc$  \_\_\_\_\_

20.  $28xy^2, 42x^2y$  \_\_\_\_\_

21. 9, 12, 16 \_\_\_\_\_

22. A quality control inspector in an egg factory checks every forty-eighth egg for cracks and every fifty-fourth egg for weight. What is the number of the first egg each day that the inspector checks for both qualities?

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23. A stock sold for  $3\frac{5}{8}$  one day and  $3\frac{1}{2}$  the next. Did the value of the stock go up or down? Explain.

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24. Marissa needs  $2\frac{2}{3}$  yards of ribbon for a wall-hanging she wants to make. She has  $2\frac{3}{4}$  yards. Does she have enough ribbon? Explain.

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**Order from least to greatest.**

25.  $\frac{2}{3}, \frac{3}{4}, \frac{1}{2}$

26.  $\frac{2}{5}, \frac{1}{3}, \frac{3}{7}, \frac{4}{9}$

27.  $\frac{8}{11}, \frac{9}{10}, \frac{7}{8}, \frac{3}{4}$

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