

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?
- _____

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.
- _____

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.
- _____

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. $\frac{8}{11}, \frac{9}{10}, \frac{7}{8}, \frac{3}{4}$ |
|---|--|--|
- _____

Practice 5-2

Fractions and Decimals

Write as a fraction or mixed number in simplest form.

1. 0.4 _____ 2. 0.75 _____ 3. 0.16 _____
 4. 2.34 _____ 5. 0.09 _____ 6. 8.8 _____

Write each fraction or mixed number as a decimal.

7. $\frac{17}{20}$ _____ 8. $\frac{7}{8}$ _____ 9. $\frac{9}{16}$ _____
 10. $3\frac{1}{8}$ _____ 11. $6\frac{9}{32}$ _____ 12. $2\frac{87}{125}$ _____
 13. $\frac{13}{25}$ _____ 14. $4\frac{31}{50}$ _____ 15. $\frac{7}{12}$ _____
 16. $\frac{4}{9}$ _____ 17. $\frac{5}{18}$ _____ 18. $\frac{15}{11}$ _____

Order from least to greatest.

19. $0.4, \frac{3}{5}, \frac{1}{2}, \frac{3}{10}$ _____
 20. $-\frac{3}{8}, -\frac{3}{4}, -0.38, -0.6$ _____
 21. $\frac{1}{4}, -\frac{1}{5}, 0.2, \frac{2}{5}$ _____
 22. Write an improper fraction with the greatest possible value using each of the digits 5, 7, and 9 once. Write this as a mixed number and as a decimal.

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

23. $10.\overline{07}$ _____ 24. $3.\overline{44}$ _____ 25. $-4.\overline{27}$ _____
 26. 0.09 _____ 27. $0.\overline{375}$ _____ 28. $0.\overline{243}$ _____

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

29. $\frac{5}{6}$ 0.8 30. $\frac{7}{11}$ 0.65 31. $4.\overline{2}$ $4\frac{2}{9}$
 32. $-\frac{3}{11}$ -0.25 33. $0.\overline{80}$ $\frac{80}{99}$ 34. -0.43 $-\frac{7}{16}$

Practice 5-3**Adding and Subtracting Fractions**
.....**Find each sum or difference.**

1. $\frac{2}{3} + \frac{1}{6}$ _____

2. $\frac{5}{8} - \frac{1}{4}$ _____

3. $2 - \frac{5}{7}$ _____

4. $1\frac{1}{2} - 2\frac{4}{5}$ _____

5. $\frac{1}{4} - \frac{1}{3}$ _____

6. $5\frac{7}{8} + 3\frac{5}{12}$ _____

7. $\frac{x}{3} + \frac{x}{5}$ _____

8. $\frac{2n}{5} + \left(-\frac{n}{6}\right)$ _____

9. $\frac{7}{12} - \frac{3}{12}$ _____

10. $3\frac{1}{5} + 2\frac{2}{5}$ _____

11. $1\frac{5}{8} - 1\frac{1}{8}$ _____

12. $\frac{3}{5y} + \frac{1}{5y}$ _____

13. $\frac{9}{16} + \frac{3}{4}$ _____

14. $2\frac{7}{10} - 3\frac{7}{20}$ _____

15. $3\frac{5}{6} + 2\frac{3}{4}$ _____

16. $-1\frac{2}{3} + \left(-2\frac{1}{4}\right)$ _____

Find each sum using mental math.

17. $3\frac{3}{8} + 2\frac{1}{8} + 1\frac{3}{8}$ _____

18. $6\frac{7}{12} + 4\frac{5}{12}$ _____

19. $8\frac{3}{16} + 2\frac{5}{16} + 4\frac{7}{16}$ _____

20. $7\frac{9}{10} + 3\frac{3}{10}$ _____

Estimate each sum or difference.

21. $13\frac{4}{5} - 2\frac{9}{10}$ _____

22. $18\frac{3}{8} + 11\frac{6}{7}$ _____

23. $23\frac{6}{13} + 32\frac{7}{8}$ _____

24. $26\frac{9}{10} + 72\frac{5}{6}$ _____

Use prime factors to simplify each expression.

25. $\frac{7}{30} - \frac{29}{75}$ _____

26. $\frac{3}{14} + \frac{17}{63}$ _____

27. $\frac{5}{42} + \frac{5}{12}$ _____

28. $2\frac{5}{6} - 2\frac{5}{22}$ _____

29. $4\frac{4}{15} + 2\frac{4}{39}$ _____

30. $3\frac{5}{9} - 2\frac{11}{12}$ _____

Practice 5-4**Multiplying and Dividing Fractions****Find each quotient.**

1. $\frac{1}{2} \div \frac{5}{8}$ _____

2. $-\frac{5}{24} \div \frac{7}{12}$ _____

3. $\frac{3}{8} \div \frac{6}{7}$ _____

4. $\frac{15}{19} \div \frac{15}{19}$ _____

5. $8 \div \frac{4}{5}$ _____

6. $6\frac{1}{4} \div 2\frac{1}{2}$ _____

7. $5\frac{5}{8} \div 1\frac{1}{4}$ _____

8. $2\frac{1}{3} \div \frac{7}{10}$ _____

9. $\frac{6}{35t} \div \frac{3}{7t}$ _____

10. $1\frac{3}{7} \div (-2\frac{1}{7})$ _____

Find each product.

11. $\frac{2}{5} \cdot \frac{3}{7}$ _____

12. $\frac{5}{9} \cdot \frac{3}{5}$ _____

13. $\frac{7}{9} \cdot \frac{6}{13}$ _____

14. $\frac{5}{6} \cdot (-1\frac{3}{10})$ _____

15. $-4\frac{2}{3}(-5\frac{1}{6})$ _____

16. $2\frac{5}{6}(-\frac{2}{5})$ _____

17. $4\frac{7}{8} \cdot 6$ _____

18. $\frac{5x}{7} \cdot \frac{3}{10}$ _____

19. $\frac{9a}{10} \cdot \frac{5}{12a}$ _____

20. $\frac{9t}{16} \cdot \frac{12}{17}$ _____

21. You are making cookies for a bake sale. The recipe calls for $2\frac{3}{4}$ cups of flour. How much flour will you need if you triple the recipe?

22. It took you 1 hour to read $1\frac{3}{8}$ chapters of a novel. At this rate, how many chapters can you read in three hours?

23. A teacher wants to tape sheets of paper together to make a science banner. He wants the banner to be $127\frac{1}{2}$ inches long, and each sheet of paper is $8\frac{1}{2}$ inches wide. How many sheets of paper will he need?

Practice 5-5

Using Customary Units of Measurement

Use estimation, mental math, or paper and pencil to convert from one unit to the other.

- | | |
|---------------------------------|--------------------------------|
| 1. 2 gal 2 qt = _____ qt | 2. 3 yd = _____ ft |
| 3. 1 ft 8 in. = _____ in. | 4. $\frac{3}{5}$ t = _____ lb |
| 5. 30 in. = _____ ft | 6. 20 fl oz = _____ c |
| 7. 20 oz = _____ lb | 8. $2\frac{1}{2}$ pt = _____ c |
| 9. $1\frac{1}{8}$ lb = _____ oz | 10. 7920 ft = _____ mi |

Is each measurement reasonable? If not, give a reasonable measurement.

11. A glass of milk holds about 8 pt.

12. A newborn baby weighs about $7\frac{1}{2}$ oz.

13. A phonebook is $\frac{3}{4}$ ft wide.

Choose an appropriate unit of measure. Explain your choice.

14. weight of a whale

15. sugar in a cookie recipe

16. length of a mouse

Should each item be measured by *length*, *weight*, or *capacity*?

- | | |
|--------------------------------------|--------------------------------|
| 17. amount of soup in a can
_____ | 18. height of a can
_____ |
| 19. heaviness of a can
_____ | 20. diameter of a can
_____ |

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Practice 5-6

Work Backward

Work backward to solve each problem.

1. Manuel's term paper is due on March 31. He began doing research on March 1. He intends to continue doing research for 3 times as long as he has done already. Then he will spend a week writing the paper and the remaining 3 days typing. What day is it? (Assume he will finish typing on March 30.)

2. A disc jockey must allow time for 24 minutes of commercials every hour, along with 4 minutes for news, 3 minutes for weather, and 2 minutes for public-service announcements. If each record lasts an average of 3 minutes, how many records per hour can the DJ play?

3. Margaret is reading the 713-page novel *War and Peace*. When she has read twice as many pages as she has read already, she will be 119 pages from the end. What page is she on now?

4. On Monday the low temperature at the South Pole dropped 9°F from Sunday's low. On Tuesday it fell another 7° , then rose 13° on Wednesday and 17° more on Thursday. Friday it dropped 8° to -50°F . What was Sunday's low temperature?

5. Each problem lists the operations performed on n to produce the given result. Find n .

- a. Multiply by 3, add 4, divide by 5, subtract 6; result, -1 .

$$n = \underline{\hspace{2cm}}$$

- b. Add 2, divide by 3, subtract 4, multiply by 5; result, 35.

$$n = \underline{\hspace{2cm}}$$

- c. Multiply by 2, add 7, divide by 17; result, 1.

$$n = \underline{\hspace{2cm}}$$

- d. Divide by 3, add 9, multiply by 2, subtract 12; result, 4.

$$n = \underline{\hspace{2cm}}$$

- e. Subtract 2, divide by 5, add 7, multiply by 3; result, 30.

$$n = \underline{\hspace{2cm}}$$

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Practice 5-7**Solving Equations by Adding or Subtracting Fractions**
.....**Solve each equation.**

1. $m - \left(-\frac{7}{10}\right) = -1\frac{1}{5}$ _____

2. $k - \frac{3}{4} = \frac{2}{5}$ _____

3. $x - \frac{5}{6} = \frac{1}{10}$ _____

4. $t - \left(-3\frac{1}{6}\right) = 7\frac{2}{3}$ _____

5. $x + \frac{5}{8} = \frac{7}{8}$ _____

6. $k + \frac{4}{5} = 1\frac{3}{5}$ _____

7. $4 = \frac{4}{9} + y$ _____

8. $h + \left(-\frac{5}{8}\right) = -\frac{5}{12}$ _____

9. $n + \frac{2}{3} = \frac{1}{9}$ _____

10. $e - \frac{11}{16} = -\frac{7}{8}$ _____

11. $w - 14\frac{1}{12} = -2\frac{3}{4}$ _____

12. $v + \left(-4\frac{5}{6}\right) = 2\frac{1}{3}$ _____

13. $a - 9\frac{1}{6} = -3\frac{19}{24}$ _____

14. $f + \left|-3\frac{11}{12}\right| = 18$ _____

15. $z + \left(-3\frac{2}{5}\right) = -4\frac{1}{10}$ _____

16. $x - \frac{7}{15} = \frac{7}{60}$ _____

17. $h - \left(-6\frac{1}{2}\right) = 14\frac{1}{4}$ _____

18. $p - 5\frac{3}{8} = -\frac{11}{24}$ _____

Solve each equation using mental math.

19. $x + \frac{3}{7} = \frac{5}{7}$ _____

20. $k - \frac{8}{9} = -\frac{1}{9}$ _____

21. $a + \frac{1}{9} = \frac{3}{9}$ _____

22. $g - \frac{4}{5} = -\frac{2}{5}$ _____

Write an equation to solve each problem.

23. Pete's papaya tree grew $3\frac{7}{12}$ ft during the year. If its height at the end of the year was $21\frac{1}{6}$ ft, what was its height at the beginning of the year?
- _____

24. Lee is $1\frac{3}{4}$ ft taller than Jay. If Lee is $6\frac{1}{4}$ ft tall, how tall is Jay?
- _____

Practice 5-8**Solving Equations by Multiplying Fractions**
.....**Solve each equation.**

1. $\frac{3}{4}x = \frac{9}{16}$ _____

2. $-\frac{1}{3}p = \frac{1}{4}$ _____

3. $-\frac{3}{8}k = \frac{1}{2}$ _____

4. $\frac{1}{8}h = \frac{1}{10}$ _____

5. $2\frac{2}{3}e = \frac{1}{18}$ _____

6. $-1\frac{2}{7}m = 6$ _____

7. $-\frac{1}{4}p = \frac{1}{18}$ _____

8. $\frac{11}{-12}w = -1$ _____

9. $-3\frac{4}{7}x = 0$ _____

10. $\frac{2}{3}m = 2\frac{2}{9}$ _____

11. $5c = \frac{2}{3}$ _____

12. $-8k = \frac{4}{5}$ _____

13. $\frac{4}{7}y = 4$ _____

14. $2\frac{1}{4}f = \frac{6}{5}$ _____

15. $\frac{10}{11}n = \frac{2}{11}$ _____

16. $\frac{7}{8}c = \frac{7}{6}$ _____

Solve each equation using mental math.

17. $7d = 42$ _____

18. $\frac{1}{4}y = 5$ _____

19. $-3h = \frac{3}{8}$ _____

20. $\frac{1}{5}k = -\frac{1}{3}$ _____

Write an equation to solve each problem.

21. It takes Nancy $1\frac{2}{3}$ min to read 1 page in her social studies book. It took her $22\frac{1}{2}$ min to complete her reading assignment. How long was the assignment? Let m represent the number of pages she read.
- _____

22. It takes Gary three hours to drive to Boston. If the trip is 156 miles, what is Gary's average number of miles per hour? Let x represent the miles per hour.
- _____

Practice 5-9

Powers of Products and Quotients

Simplify each expression.

1. $(\frac{5}{6})^2$ _____

2. $(-\frac{4}{9})^2$ _____

3. $(\frac{x^2}{5})^3$ _____

4. $(2x)^3$ _____

5. $(-3y^2)^2$ _____

6. $(5ab^2)^3$ _____

7. $(12mn)^2$ _____

8. $(-10xy^3)^3$ _____

9. $(9qrs^4)^3$ _____

10. $(\frac{2x}{9y})^2$ _____

11. $-(a^2b^2)^3$ _____

12. $(2a^3b^2)^4$ _____

13. $(\frac{2x}{y})^2$ _____

14. $(-\frac{3x}{8y})^2$ _____

15. $(\frac{3y^2}{x})^3$ _____

16. $(\frac{2x^2y}{xy^3})^5$ _____

Evaluate for $a = 2$, $b = -1$, and $c = \frac{1}{3}$.

17. $(a^2)^3$ _____

18. $2b^3$ _____

19. $(-9c^2)^3$ _____

20. $(a^2b)^2$ _____

21. $(ac)^2$ _____

22. $(b^3)^7$ _____

Complete each equation.

23. $(3b \text{ ---})^2 = 9b^{10}$

24. $(m^2n) \text{ ---} = m^8n^4$

25. $(xy \text{ ---})^2 = x^2y^6$

26. $(\frac{3s^2t}{r}) \text{ ---} = \frac{9s^4t^2}{r^2}$

27. Write an expression for the area of a square with a side of length $4a^2$.
Simplify your expression.

28. Write an expression for the volume of a cube with a side of length $3z^5$.
Simplify your expression.

Chapter 5 Answers

Practice 5-1

1. < 2. < 3. > 4. = 5. < 6. > 7. >
 8. > 9. = 10. > 11. < 12. = 13. >
 14. > 15. < 16. 21 17. 96 18. 150
 19. $18a^3bc$ 20. $84x^2y^2$ 21. 144 22. 432
 23. down; $3\frac{5}{8} > 3\frac{1}{2}$ 24. yes; $2\frac{2}{3} < 2\frac{3}{4}$ 25. $\frac{1}{2}, \frac{2}{3}, \frac{3}{4}$
 26. $\frac{1}{3}, \frac{2}{5}, \frac{3}{7}, \frac{4}{9}$ 27. $\frac{8}{11}, \frac{3}{4}, \frac{7}{8}, \frac{9}{10}$

Practice 5-2

1. $\frac{2}{5}$ 2. $\frac{3}{4}$ 3. $\frac{4}{25}$ 4. $2\frac{17}{50}$ 5. $\frac{9}{100}$ 6. $8\frac{4}{5}$
 7. 0.85 8. 0.875 9. -0.5625 10. 3.125
 11. 6.28125 12. 2.696 13. 0.52 14. 4.62
 15. -0.583 16. 0.4 17. 0.27 18. 1.36
 19. $\frac{3}{10}, 0.4, \frac{1}{2}, \frac{3}{5}$ 20. $-\frac{3}{4}, -0.6, -0.38, -\frac{3}{8}$
 21. $-\frac{1}{5}, 0.2, \frac{1}{4}, \frac{2}{5}$ 22. $\frac{97}{5} = 19\frac{2}{5} = 19.4$ 23. $10\frac{7}{90}$
 24. $3\frac{11}{25}$ 25. $-4\frac{3}{11}$ 26. $\frac{9}{100}$ 27. $\frac{3}{8}$ 28. $\frac{241}{990}$
 29. > 30. < 31. = 32. < 33. = 34. >

Practice 5-3

1. $\frac{5}{6}$ 2. $\frac{3}{8}$ 3. $1\frac{2}{7}$ 4. $-1\frac{3}{10}$ 5. $-\frac{1}{12}$ 6. $9\frac{7}{24}$
 7. $\frac{8x}{15}$ 8. $\frac{7m}{30}$ 9. $\frac{1}{3}$ 10. $5\frac{3}{5}$ 11. $\frac{1}{2}$ 12. $\frac{4}{5y}$
 13. $1\frac{5}{16}$ 14. $-\frac{13}{20}$ 15. $6\frac{7}{12}$ 16. $-3\frac{11}{12}$
 17. $6\frac{7}{8}$ 18. 11 19. $14\frac{15}{16}$ 20. $11\frac{1}{5}$ 21. 11
 22. 30 23. 56 24. 100 25. $-\frac{23}{150}$ 26. $\frac{61}{126}$
 27. $\frac{15}{28}$ 28. $\frac{20}{33}$ 29. $6\frac{24}{65}$ 30. $\frac{23}{36}$

Practice 5-4

1. $\frac{4}{5}$ 2. $-\frac{5}{14}$ 3. $\frac{7}{16}$ 4. 1 5. 10 6. $2\frac{1}{2}$ 7. $4\frac{1}{2}$
 8. $3\frac{1}{3}$ 9. $\frac{2}{5}$ 10. $-\frac{2}{3}$ 11. $\frac{6}{35}$ 12. $\frac{1}{3}$ 13. $\frac{14}{39}$
 14. $-1\frac{1}{12}$ 15. $24\frac{1}{9}$ 16. $-1\frac{2}{15}$ 17. $29\frac{1}{4}$ 18. $\frac{3x}{14}$
 19. $\frac{3}{8}$ 20. $\frac{27t}{68}$ 21. $8\frac{1}{4}$ cups 22. $4\frac{1}{8}$ chapters
 23. 15 sheets

Practice 5-5

1. 10 2. 9 3. 20 4. 1200 5. $2\frac{1}{2}$ 6. $2\frac{1}{2}$
 7. $1\frac{1}{4}$ 8. 5 9. 18 10. $1\frac{1}{2}$ 11. A glass of milk holds about 8 fl oz. 12. A newborn weighs about $7\frac{1}{2}$ lb. 13. Reasonable 14. ton; A whale is very heavy. 15. cup; Cookies have about a cup of sugar. 16. inch; A mouse is small 17. capacity 18. length 19. weight 20. length

Practice 5-6

1. March 5 2. 9 records per hour 3. page 198
 4. -56°F 5.a. 7 b. 31 c. 5 d. -3 e. 17

Practice 5-7

1. $-1\frac{9}{10}$ 2. $1\frac{3}{20}$ 3. $\frac{14}{15}$ 4. $4\frac{1}{2}$ 5. $\frac{1}{4}$ 6. $\frac{4}{5}$
 7. $3\frac{5}{9}$ 8. $\frac{5}{24}$ 9. $-\frac{5}{9}$ 10. $-\frac{3}{16}$ 11. $11\frac{1}{3}$ 12. $7\frac{1}{6}$
 13. $5\frac{3}{8}$ 14. $14\frac{1}{12}$ 15. $-\frac{7}{10}$ 16. $\frac{7}{12}$ 17. $7\frac{3}{4}$
 18. $4\frac{11}{12}$ 19. $\frac{2}{7}$ 20. $\frac{7}{9}$ 21. $\frac{2}{9}$ 22. $\frac{2}{5}$
 23. $h + 3\frac{7}{12} = 21\frac{1}{6}$; $h = 17\frac{7}{12}$ ft
 24. $h + 1\frac{3}{4} = 6\frac{1}{4}$; $h = 4\frac{1}{2}$ ft

Practice 5-8

1. $x = \frac{3}{4}$ 2. $p = -\frac{3}{4}$ 3. $k = -1\frac{1}{3}$ 4. $h = \frac{4}{5}$
 5. $e = \frac{1}{48}$ 6. $m = -4\frac{2}{3}$ 7. $p = -\frac{2}{9}$
 8. $w = 1\frac{1}{11}$ 9. $x = 0$ 10. $m = 3\frac{1}{3}$ 11. $c = \frac{2}{15}$
 12. $k = -\frac{1}{10}$ 13. $y = 7$ 14. $f = \frac{8}{15}$
 15. $n = \frac{1}{5}$ 16. $c = 1\frac{1}{3}$ 17. $d = 6$ 18. $y = 20$
 19. $h = -\frac{1}{8}$ 20. $k = -1\frac{2}{3}$ 21. $1\frac{2}{3}m = 22\frac{1}{2}$;
 $m = 13\frac{1}{2}$ pages 22. $3x = 156$; $x = 52$ mi/h

Practice 5-9

1. $\frac{25}{36}$ 2. $\frac{16}{81}$ 3. $\frac{x^6}{125}$ 4. $8x^3$ 5. $9y^4$ 6. $125a^3b^6$
 7. $144m^2n^2$ 8. $-1,000x^3y^9$ 9. $729q^3r^3s^{12}$
 10. $\frac{4x^2}{81y^2}$ 11. $-a^6b^6$ 12. $16a^{12}b^8$ 13. $\frac{4x^2}{y^2}$
 14. $\frac{9x^2}{64y^2}$ 15. $\frac{27y^6}{x^3}$ 16. $\frac{32x^5}{y^{10}}$ 17. 64 18. -2
 19. -1 20. 16 21. $\frac{4}{9}$ 22. -1 23. 5 24. 4
 25. 3 26. 2 27. $(4a^2)^2 = 16a^4$
 28. $(3z^5)^3 = 27z^{15}$

Reteaching 5-1

1. $\frac{4}{18} > \frac{3}{18}$ 2. $\frac{5}{8} < \frac{6}{8}$ 3. $-\frac{4}{6} > -\frac{5}{6}$
 4. $-\frac{5}{18} < -\frac{4}{18}$ 5. $\frac{21}{36} < \frac{22}{36}$ 6. $\frac{39}{60} < \frac{44}{60}$
 7. $-\frac{22}{40} = -\frac{22}{40}$ 8. $\frac{6}{25} > \frac{5}{25}$ 9. $\frac{15}{28} < \frac{16}{28}$
 10. $\frac{35}{63} > \frac{33}{63}$ 11. $\frac{15}{51} = \frac{15}{51}$ 12. $-\frac{25}{60} > -\frac{26}{60}$

Reteaching 5-2

1. 0.636363..., 63.6363..., -0.636363..., $63\frac{63}{99}$, $\frac{7}{11}$ 2. 0.83333..., 83.3333..., -8.3333..., $75\frac{75}{90}$