

Lesson 5-6

(Pages 220-223)

Write each percent as a decimal.

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|-----------------------|-----------------------|-----------------------|-----------------------|
| 1. 42% | 2. 100% | 3. 8% | 4. 20% |
| 5. 35% | 6. 3% | 7. 62% | 8. 50% |
| 9. 28% | 10. 87% | 11. 7.5% | 12. 87.5% |
| 13. 1.8% | 14. 99.9% | 15. $85\frac{1}{4}\%$ | 16. $24\frac{1}{2}\%$ |
| 17. $64\frac{4}{5}\%$ | 18. $36\frac{3}{4}\%$ | 19. $1\frac{1}{5}\%$ | 20. $2\frac{1}{2}\%$ |

Write each decimal as a percent.

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|-----------|-----------|------------|-----------|
| 21. 0.16 | 22. 0.1 | 23. 0.5 | 24. 0.98 |
| 25. 0.31 | 26. 0.76 | 27. 0.07 | 28. 0.8 |
| 29. 0.07 | 30. 0.10 | 31. 0.90 | 32. 1.00 |
| 33. 0.666 | 34. 0.725 | 35. 0.138 | 36. 0.899 |
| 37. 0.256 | 38. 0.038 | 39. 0.0525 | 40. 0.017 |

Lesson 5-7

(Pages 224-226)

Find the LCM of each set of numbers.

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|----------------|-----------------|------------------|-------------------|
| 1. 4, 9 | 2. 6, 16 | 3. 24, 36 | 4. 48, 84 |
| 5. 8, 9 | 6. 49, 56 | 7. 42, 66 | 8. 15, 39 |
| 9. 56, 64 | 10. 24, 42 | 11. 80, 250 | 12. 16, 24 |
| 13. 13, 14 | 14. 36, 48 | 15. 10, 100 | 16. 25, 200 |
| 17. 1, 2, 5 | 18. 2, 3, 7 | 19. 1, 9, 27 | 20. 2, 24, 36 |
| 21. 7, 21, 35 | 22. 12, 18, 28 | 23. 32, 80, 96 | 24. 5, 18, 45 |
| 25. 11, 22, 33 | 26. 35, 70, 140 | 27. 25, 200, 400 | 28. 100, 200, 300 |

Lesson 5-8

(Pages 227-231)

Find the LCD for each pair of fractions.

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|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| 1. $\frac{3}{8}, \frac{2}{3}$ | 2. $\frac{5}{9}, \frac{7}{12}$ | 3. $\frac{4}{9}, \frac{8}{15}$ | 4. $\frac{11}{24}, \frac{17}{42}$ |
| 5. $\frac{12}{36}, \frac{15}{42}$ | 6. $\frac{25}{27}, \frac{43}{81}$ | 7. $\frac{32}{64}, \frac{15}{48}$ | 8. $\frac{2}{6}, \frac{14}{15}$ |

Replace each $\bullet$ with $<$, $>$, or $=$ to make a true sentence.

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|---|---|---|--|
| 9. $\frac{7}{9} \bullet \frac{3}{5}$ | 10. $\frac{14}{25} \bullet \frac{3}{4}$ | 11. $\frac{8}{24} \bullet \frac{20}{60}$ | 12. $\frac{5}{12} \bullet \frac{4}{9}$ |
| 13. $\frac{18}{24} \bullet \frac{10}{18}$ | 14. $\frac{4}{6} \bullet \frac{5}{9}$ | 15. $\frac{11}{49} \bullet \frac{12}{42}$ | 16. $\frac{5}{14} \bullet \frac{2}{6}$ |

Order each set of ratios from least to greatest.

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|---|---------------------------------|------------------------------------|
| 17. 70%, 0.6, $\frac{2}{3}$ | 18. 0.8, $\frac{17}{20}$, 17% | 19. $\frac{61}{100}$, 0.65, 61.5% |
| 20. $0.\overline{42}$, $\frac{3}{7}$, 42% | 21. 0.15, 10.5%, $\frac{7}{50}$ | 22. $\frac{1}{8}$, 0.81, 18% |

Determine whether each number is rational. Write *yes* or *no*.

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|-----------------------|--------------------|---------------------|--------------------|
| 23. $4.\overline{28}$ | 24. $-\frac{5}{4}$ | 25. $\frac{0.5}{4}$ | 26. $\frac{1}{7}$ |
| 27. 0.414114111... | 28. 10.987... | 29. 7.22... | 30. $3\frac{2}{5}$ |