

Practice 5-1

Fractions, Decimals, and Percents

Use mental math to write each decimal as a percent.

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|---------------|----------------|----------------|
| 1. 0.95 _____ | 2. 0.06 _____ | 3. 0.004 _____ |
| 4. 0.63 _____ | 5. 0.005 _____ | 6. 1.4 _____ |

Write each fraction as a percent. Round to the nearest tenth of a percent.

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|-------------------------|---------------------------|--------------------------|
| 7. $\frac{4}{5}$ _____ | 8. $\frac{7}{10}$ _____ | 9. $\frac{5}{6}$ _____ |
| 10. $\frac{5}{8}$ _____ | 11. $\frac{1}{15}$ _____ | 12. $\frac{9}{25}$ _____ |
| 13. $\frac{1}{6}$ _____ | 14. $\frac{11}{12}$ _____ | 15. $\frac{1}{20}$ _____ |

Use mental math to write each percent as a decimal.

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|----------------|----------------|----------------|
| 16. 70% _____ | 17. 10% _____ | 18. 800% _____ |
| 19. 2.6% _____ | 20. 234% _____ | 21. 9% _____ |

Write each percent as a fraction in simplest form.

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|---------------|---------------|----------------------------|
| 22. 10% _____ | 23. 47% _____ | 24. $5\frac{1}{2}\%$ _____ |
| 25. 15% _____ | 26. 92% _____ | 27. $3\frac{1}{4}\%$ _____ |
| 28. 85% _____ | 29. 42% _____ | 30. 70% _____ |

Order each set of numbers from least to greatest.

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|---|---|
| 31. 12%, $\frac{1}{8}$, 1.2, $\frac{1}{12}$
_____ | 32. 0.047, 0.5%, $\frac{1}{20}$, 1.5%
_____ |
| 33. $\frac{3}{7}$, 3.7%, 0.37, 0.073
_____ | 34. 0.001, $\frac{1}{100}$, 0.01%, $\frac{1}{10}$
_____ |

Solve.

35. There are twelve pairs of cranial nerves connected to the brain. Ten of these pairs are related to sight, smell, taste, and sound. What percent of the pairs are related to sight, smell, taste, and sound? _____
36. If a person weighs 150 lb, then calcium makes up 3 lb of that person's weight. What percent of a person's weight does calcium make up? _____

Puzzle 5-1

Fractions, Decimals, and Percents

Find the equivalent fraction, decimal, or percent in the puzzle for each value below. Shade in the matches. Correct shading will reveal the answer to the question below, a number that is odd, prime, and a factor of 27.

$105\% = \underline{\hspace{1cm}}$ $1.4 = \underline{\hspace{1cm}}$ $0.9 = \underline{\hspace{1cm}}$ $520\% = \underline{\hspace{1cm}}$ $\frac{1}{3} = \underline{\hspace{1cm}}$ $0.36 = \underline{\hspace{1cm}}$
 $\frac{7}{20} = \underline{\hspace{1cm}}$ $\frac{2}{9} = \underline{\hspace{1cm}}$ $1.5 = \underline{\hspace{1cm}}$ $\frac{2}{5} = \underline{\hspace{1cm}}$ $1\frac{1}{100} = \underline{\hspace{1cm}}$

How many periods are in a hockey game? _____