Name: _____

Date: _____ Grade: _____

SECTION QUIZ 2-3



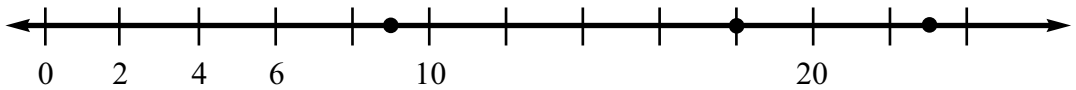
Remember:
Score an 85% or higher on all three quizzes and you may be exempt from the chapter test!



Congratulations! You have completed this section!
Answer the following questions to test your understanding of the material. When you are finished, hand in your quiz to your teacher. Each answer is worth 1.82 points.

1. If 5,627,189 is rounded to the nearest thousands place, the answer is _____.

2. Look at the number line below. The dots represent the numbers ____, _____, _____. (Round to the nearest 10s value.)



3. Round 342.567... to the thousandths place. _____

4. Estimate the product of 21 × 193. _____

5. A _____ is a comparison of two or more numbers.

6. Ratios may be written in _____ form with a fraction bar.

7. Which of the following is not an example of the representation of a ratio? _____
(a) 25 + 35 (b) $\frac{1}{3}$ or 1:3 (c) $\frac{2}{9}$ or 2:9 (d) $\frac{1}{2}$ or 1:2

8. The symbol, → , means changes to, _____, or implies.

9. $\frac{3}{9}$ → _____.

10. 2:4 → _____.

Table 1

School	Boys	Girls	Total
A	8	24	32
B	4	8	12

Be sure to simplify (reduce) your answers to the following questions about Table 1.

11. The ratio of the number of boys to girls in a Math class in school A is _____.

12. The ratio of the number of boys to girls in a Math class in school B is _____.

13. Calculate the ratio of the number of boys in school B to boys in school A. _____

14. Calculate the ratio of the number of girls in school A to school B. _____

15. A _____ is an equation of two ratios separated by an equal sign.

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Write "Yes" on the blank if the ratios are proportional, "No" if they are not. Be sure to show your work in the space provided (16-17).

16. $^{6}/_{10} = {}^{60}/_{100}$ _____

17. $^{1}/_{10} = {}^{10}/_{50}$ _____

18. In Latin cent or centi- means _____.

19. Percent means for every _____.

20. Using percents is a method of comparison using _____ as the standard.

21. 33.33% = _____ (fraction).

22. 21% = _____(fraction).

23. 150% = _____(fraction).

24. The symbol, %, means the denominator of the fraction will be _____.

25. 66.6% = _____ (decimal).

26. 25% = _____(decimal).

27. .65 = _____ %.

28. 2.55 = _____%.

29. The definition of percent is: n% = _____.

30. "lhs" means _____ of the equation.

31. A _____ is set up to work a percent problem.

Solve the following equations involving percent. Show your work in the space provided (32-37).

32. 400 is _____% of 800.

33. 25% of 400 is _____.

34. 50% of a number is 320. What is the number? _____

35. Sam invested $5000.00 for one year and received $500.00 in interest. What was the interest rate Sam received on his money? _____

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36. 75% of 40 is _____.

37. 180 is what percent of 240? _____

38. 100% means _____ of something.

39. Simple interest is calculated using the formula ____= _____.

40. *P* stands for _____.

41. *r* stands for _____.

42. *t* stands for _____.

Use the Simple Interest formula to complete the following interest problems. Show your work and write your answer on the blank.

43. *I* =_____, *r* = 5%, *t* = 4 years, principal = $1,000.00

44. *I* =_____, *r* = 3%, *t* = 4 years, principal = $2,000.00

45. *I* =_____, *r* = 2%, *t* = 2 years, principal = $2,000.00

46. *I* =_____, *r* = 10%, *t* = 35 years, principal = $1,000.00

47. *I* =_____, *r* = 20%, *t* = 10 years, principal = $500,000.00

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SECTION QUIZ 2-3

Calculate the following interest problems using the formula $I = P \times r \times t$. Show your work in the space provided and place your answer on the blank.

48. Professor K's brother made an investment of $8,000.00 at 10% for 4 years. Calculate the amount of interest the investment made. I = _____

49. Professor K's aunt acquired a loan for a new car. The cost of the car was $25,000.00. The simple interest rate was 5%. Calculate the interest Professor K's aunt paid the first year. I = _____

Match the following Life Principles.

50. _____ *"Patience is*

51. _____ *"Take care of the pennies*

52. _____ *"People who plan to succeed often do.*

53. _____ *"You can fool some of the people all of the time, . . . but*

54. _____ *"Wise people invest*

(a) *the dollars will take care of themselves."*

(b) *you can't fool all of the people all of the time."*

(c) *their time wisely."*

(d) *the companion of wisdom."*

(e) *People who don't plan usually don't succeed."*

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