Ch 1-9 Practice Test

1. Andrea has a ½ yard of fabric to make book covers. Each book cover is made of 1/6 of a yard of fabric.

   How many book covers can Andrea make?

2. Four people share 1/3 pound of candy.

   How much candy does each person get?

3. How would you divide 24 into 7456?

4. What would be a good estimate for the product of 13.4 and 7.75?

   What would be the exact solution to the product?

5. Mrs. Caruso donated a total of 90 hot dogs and 72 bags of chips for the class picnic.
   Each student will receive the same amount of refreshments. There will be no left overs.

   What is the greatest number of students that can be served?

   How many bags of chips will each student receive?

   How many hot dogs will each student receive?

6. Today, both the soccer team and the basketball team had games. The soccer team plays every 8 days and the basketball team plays every 12 days.

    When will both teams have games on the same day again?

7. What integer would represent 37 feet below sea level?

   What integer would represent 52 feet above sea level?

   What would zero represent in these situations?

8. What is the opposite of 3 ¾?

9. Graph the following points on a coordinate plane.

   (2 ½ , -3 ½) , (-1 ½ , -4) , (0.75, 0.25)

   What quadrants are each ordered pair in?

   If each point is reflected across the x-axis, what are the coordinates of the reflected points?

10. Place the following values in order from the least to the greatest.

    1/3 , 30% , -4 , 0.03, |-13| , 7 , -10 , -3.7

11. On a bicycle Jack can travel 24 miles in 4 hours.

   What are the two ways to represent unit rate for this situation?

12. At CD World, 3 CD's cost $18.

   What would the cost be for 7 CD's?

   How many CD's could be bought for $54?

13. Compare the number of tulips to roses from the diagram below.

   T T T T R R

   How many tulips will you have, if you have 60 roses?

14. If 6 is 30% of a value, what is the value?

15. A credit card company charges 17% interest on any charges not paid at the end of the month.

   If your unpaid balance is $450, how much interest will you have to pay?

16. What is the solution to 0.2^3 ?

17. Solve: $7^2 - 24 \div 3 + 13$

18. Write the verbal phrase for 3r + 7.

19. Write the algebraic expression for the verbal phrase.

   "seven less than three times a number"

20. Given the width is 4.5 units and the length is represented by "x + 3" units.

   Draw a area diagram that represents the area of this garden.

   Write the area as a distributive property problem.

   What is the area of the garden?

21. What does " k + k + k + k " equal to?

22. Which expressions are equal to each other?

   4m + 8   4(m + 2)   2(2m + 8)   3m + 2 + m + 6   5m + 7 – m - 1

23. Joe had 26 papers on his desk. Mr. Wong gave him some more and now he has 100 papers.

   Write the equation that represents this problem.
   Solve the equation.
   How many problems did Mr. Wong give Joe?

24. The skating rink charges $100 to reserve the place and then $5 per person.

    Write an expression that represents the cost for any number of people.
    How much would it cost for 45 people?

25. Meredith spent $56.58 for 3 pairs of jeans. If each pair of jeans cost the same amount, write an algebraic equation that represents the situation.

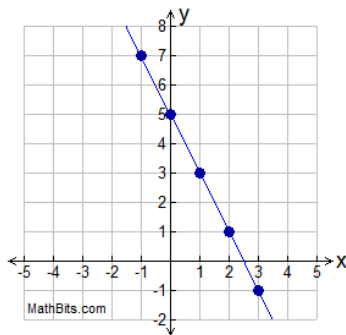   How much would a pair of jeans cost?

26. Graph x ≤ -4
27. Graph y > 3.5

28. Write the expression that illustrates the relationship below.

x	1	2	3	4
y	2.5	5	7.5	10

29. Write the expression that illustrates the relationship below.

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30. Graph the equation y = 4x + 1.