Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Summative Assessment Review – Unit 3

Solve for the unknown variable:

1.  2. 

3.  4. 

5.  6. 

7.  8. 

9.  10. 

11. Evaluate the expression  where 

12. Evaluate the expression for 

13. Find equal ratios to 1 : 2

14. Find equal ratios to 7 : 21

15. In the media center at Elkins Pointe Middle School there are 21 computers and 3 scanners. Write a ratio of scanners to computers in simplest form.

16. The Apple store sells 25 iTouches and 5 MacBook Pros in one day. Write a ratio of iTouches and MacBook Pros in simplest form in three ways.

17. Find the unit rate for : $12 for 3 peaches

18. Find the unit rate for: $6.40 for 8 cans

19. When going to the beach, Ms. Powers drove 58 miles per hour, how far did she get in 3 hours?

Find the value that completes the proportion for problems 20-25

20.  21. 

22.  23. 

24.  25. 

26. Ms. Fainter had a picture made that was 10 inches tall by 8 inches long. She feels like that is too large to set on her desk at school. Write a smaller ratio that is proportionate to the original picture.

27. Mr. Goodwin loves to shop for jeans. He went to the store and saw that his favorite jeans that normally cost $125 are 25% off. How much will the jeans cost Mr. Goodwin after the discount?

28. Mrs. Huftalin and her family went to a Mexican restaurant where they spent $28. If they paid 7% tax and left a 20% tip, how much did Mrs. Huftalin pay total?

29.

|  |  |  |
| --- | --- | --- |
| Fraction | Decimal | Percent |
|  | .75 |  |
|  |  |  |
|  |  | 32.5% |

30. Evaluate the expression  where 

31. Sarah and Sally bound their brother’s money stash which had $32.50 in it. Sarah and Sally said that they should split their findings evenly. Use the equation .

32. Ms. Gunning spent $6.42 at Walgreens for school supplies. She had a $20 bill. How much change did Ms. Gunning get? Use the equation 

33. How many packages of paper can you buy with $5 if one pack costs $1.25? Use the equation 

34. Sam went to the store and bought holiday gifts for his family. He only had $100. Could he buy a candle for $11.25, one pair of shoes for $64.25, and 2CDs for $22 if he also has to pay 7% tax on all the items? If he has money left over, how much will it be? If he needs more money, how much money does he need to purchase all the items?