Name _____ Period _____ Date _____

Writing and Evaluating Expressions Worksheet

Evaluate each expression using the values $m = 7$, $r = 8$, and $t = 2$.

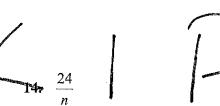1. $5m - 6$ 2. $4m + t$ 3. $\dfrac{r}{t}$ 4. mt

5. $5t + 2m$ 6. rm 7. $3m - 5t$ 8. $\dfrac{mr}{t}$

Write a word phrase for each algebraic expression.

10. $n + 16$ 11. $3.2n$ 12. $25.6 - n$

13. $\dfrac{n}{24}$ 14. $\dfrac{24}{n}$ 15. $n - 15$

Write an algebraic expression for each word phrase.

16. 12 more than m machines   17. six times the daily amount of fiber f
                                           in your diet

18. your aunt's age a minus 25   19. the total number of seashells s divided by 10

20. 9 less than k 21. m divided by 6

22. twice x

23. 4 more than twice x

24. For a walk-a-thon a sponsor committed to give you a flat fee of $5 plus $2 for every mile m you walk.

   a. Write an expression for the total amount you will collect from your sponsor at the end of the walk-a-thon.

   b. Then evaluate your expression for 20 miles walked.

25. You and four friends plan a surprise party. Each of you contributes the same amount of money m for food.

   a. Write an algebraic expression for the total amount of money contributed for food.

   b. Evaluate your expression if each person contributed $5.25.

26. A cell phone company charges $40 per month plus a $35 activation fee.

   a. Write an expression for the total cost for m months.

   b. Then evaluate your expression for 10 months of service.