

**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.  $\frac{r}{t}$

4.  $mt$

5.  $5t + 2m$

6.  $rm$

7.  $3m - 5t$

8.  $\frac{mr}{t}$

Write a word phrase for each algebraic expression.

10.  $n + 16$

11.  $3.2n$

12.  $25.6 - n$

13.  $\frac{n}{24}$

14.  $\frac{24}{n}$

15.  $n - 15$

Write an algebraic expression for each word phrase.

16. 12 more than  $m$  machines17. six times the daily amount of fiber  $f$   
in your diet18. your aunt's age  $a$  minus 2519. the total number of seashells  $s$  divided by 1020. 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.