

LESSON

Practice C

2-8 Translate Words Into Math

Write as an algebraic expression.

1. the product of 6 and the square of a number _____
2. the square of the product of 6 and a number _____
3. 4 times the sum of a number and 6,008 _____
4. 200 less than half of a number _____
5. 3 times the difference of a number squared and 82 _____
6. 999 less than 45 increased by the product of a number and 85 _____

Write a verbal expression for each algebraic expression.

7. $2(4n)$ _____
8. $100 - \frac{54}{w}$ _____
9. $r^2 + 4r + 7$ _____
10. $\frac{45}{5s^2}$ _____
11. An albatross can sleep while flying 25 mi/h. An albatross flew 3 miles awake and another n hours asleep at 25 mi/h. Write an expression to find the distance flown. _____
12. You have d dimes, q quarters, and n nickels. Write an expression to find the total amount of money. _____
13. Four out of every 10 homes in the United States have a dog. Write an expression to find out how many dogs there are in h homes. _____
14. A waitress who worked k hours earned \$32 in tips. She gets an additional salary of \$4.50 per hour. Write an expression to find the amount she earned. _____