

Writing Expressions from Word Problems

Name: _____

Date: _____

Instructions: Write an algebraic expression for each word problem. Use the variable given in brackets.

1. Sarah has some marbles. Her friend gives her 12 more marbles. (*Let m = number of marbles Sarah starts with*)

Expression: _____

2. A pencil costs \$2 each. (*Let n = number of pencils purchased*)

Expression: _____

3. James has 25 cookies and he eats some of them. (*Let c = number of cookies eaten*)

Expression: _____

4. A number is divided by 5. (*Let x = the number*)

Expression: _____

5. Triple the number of books on the shelf. (*Let b = number of books*)

Expression: _____

6. Ten less than a number. (*Let y = the number*)

Expression: _____

7. The total cost of buying apples at \$3 per kilogram. (*Let k = kilograms of apples*)

Expression: _____

8. Sam's age in 7 years' time. (*Let a = Sam's current age*)

Expression: _____

9. Half the number of students in the class. (*Let s = number of students*)

Expression: _____

10. The sum of a number and 15. (*Let p = the number*)

Expression: _____

11. Eight times a number, decreased by 3. (*Let n = the number*)

Expression: _____

12. The perimeter of a square. (*Let L = length of one side*)

Expression: _____

13. A bus has 42 seats. Some seats are taken. (*Let t = number of seats taken*)

Expression for seats available: _____

14. The total cost of a concert ticket at \$45 each, plus a \$5 booking fee. (*Let d = number of tickets*)

Expression: _____