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: _____