

NAME _____

DATE _____

Module 4 Solving Problems Using Linear Equations of One Variable
Lesson 1 Translating Sentences into Algebraic Equations



**additional
practice**

Write an equation to represent each sentence or situation.

- | | |
|---|---|
| 1. Seven less than a number is 30.
_____ | 2. A number increased by four is three.
_____ |
| 3. The product of 12 and a number is 60.
_____ | 4. One less than a number is 15.
_____ |
| 5. A number divided by three is 15.
_____ | 6. Eight more than a number is the same as three times the number.
_____ |
| 7. The sum of 12 and twice a number is 26.
_____ | 8. A number is divided by three; this quotient is increased by seven. The result is 11.
_____ |
| 9. The product of seven and a number, increased by four, is -10 .
_____ | 10. The product of seven and the sum of a number and four is 56.
_____ |
| 11. The sum of three times a number and six is equivalent to two times the number, decreased by 10.
_____ | 12. Four times the quantity of a number plus six is the same as the product of six and the number.
_____ |
| 13. A 20-foot board is cut into two pieces. The length of the shorter board is two feet longer than half the length of the longer board.
_____ | 14. A car's current value is \$4,000. The current value is $\frac{5}{16}$ of its original price.
_____ |
| 15. Jack's score was eight more than Rick's. The product of their scores was 240.
_____ | 16. After three bags of topsoil were added, a garden plot contained nine bags of topsoil.
_____ |

17. A rectangle's width is three less than twice its length.

18. Light bulbs are packaged in a crate that holds six rows of n light bulbs each. The crate holds a total of 72 light bulbs.

