Lesson 3 Skills Practice

Write Two-Step Equations

Translate each sentence into an equation.

1. Four more than twice a number is 8.

2. Three more than four times a number is 15.

3. Five less than twice a number is 7.

4. One less than four times a number is 11.

5. Seven more than the quotient of a number and 2 is 10.

6. Six less than six times a number is 12.

7. Five less than the quotient of a number and 3 is –7.

8. Seven more than twice a number is 1.

Define a variable. Then write and solve an equation to find each number.

9. The difference between 5 times a number and 3 is 12.

10. Nine more than three times a number is –6.

11. Nine more than the quotient of a number and 4 is 12.

12. Four less than the quotient of a number and 3 is –10.

13. Nine less than six times a number is –15.

14. Three less than the quotient of a number and 6 is 1.

15. Eight more than the quotient of a number and 5 is 3.

16. The difference between twice a number and 11 is –23.