

Lesson 3 Skills Practice

Write Two-Step Equations

Translate each sentence into an equation.

- Four more than twice a number is 8.
Let n represent the number. $2n + 4 = 8$
- Three more than four times a number is 15.
Let n represent the number. $4n + 3 = 15$
- Five less than twice a number is 7.
Let n represent the number. $2n - 5 = 7$
- One less than four times a number is 11.
Let n represent the number. $4n - 1 = 11$
- Seven more than the quotient of a number and 2 is 10.
Let n represent the number. $\frac{n}{2} + 7 = 10$
- Six less than six times a number is 12.
Let n represent the number. $6n - 6 = 12$
- Five less than the quotient of a number and 3 is -7 .
Let n represent the number. $\frac{n}{3} - 5 = -7$
- Seven more than twice a number is 1.
Let n represent the number. $2n + 7 = 1$

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

- The difference between 5 times a number and 3 is 12.
Let n represent the number. $5n - 3 = 12$; 3
- Nine more than three times a number is -6 .
Let n represent the number. $3n + 9 = -6$; -5
- Nine more than the quotient of a number and 4 is 12.
Let n represent the number. $\frac{n}{4} + 9 = 12$; 12
- Four less than the quotient of a number and 3 is -10 .
Let n represent the number. $\frac{n}{3} - 4 = -10$; -18
- Nine less than six times a number is -15 .
Let n represent the number. $6n - 9 = -15$; -1
- Three less than the quotient of a number and 6 is 1.
Let n represent the number. $\frac{n}{6} - 3 = 1$; 24
- Eight more than the quotient of a number and 5 is 3.
Let n represent the number. $\frac{n}{5} + 8 = 3$; -25
- The difference between twice a number and 11 is -23 .
Let n represent the number. $2n - 11 = -23$; -6