

d. $53 - d = 17$

Tuesday

UNIT 1

STUDENT BOOK

6

LESSON

Solving Equations Involving Addition and Subtraction



Quick Review

Libby makes 42 squares for a new quilt.
She needs 70 squares altogether.
How many more squares must Libby make?

Let s represent the number of squares Libby has to make.
One equation is: $70 = 42 + s$

Solve the equation:

Which number do we add to 42 to get 70?

Subtract to find out: $70 - 42 = 28$

So, $s = 28$

Libby must make 28 more squares.

$s = 28$ is the solution to the equation.

Try These

1. Solve each equation.

a) $18 = m + 4$ _____

b) $20 = y + 14$ _____

c) $37 = p - 4$ _____

d) $53 - d = 37$ _____

2. Write an equation. Then solve.

a) Eli buys 36 bottles of water. He drinks 15 bottles.
How many bottles are left?

b) Sandra received 41 e-mails this week. Sandra received 73 e-mails
together in two weeks. How many e-mails did Sandra receive last week?

Practice

1. Solve each equation.

a) $43 = h + 4$ _____

b) $27 - q = 13$ _____

c) $58 = 94 - n$ _____

d) $76 = 23 + b$ _____

2. For each equation in question 1, write a story problem that could be solved by using the equation.

a) _____

b) _____

c) _____

d) _____

3. Write as many equations as you can for this problem. Then solve each equation.

Together Olga and Josef have 43 cousins. Josef has 16 cousins. How many cousins does Olga have?

Stretch Your Thinking

Write a story problem that could be solved by using this equation:

$58 = f - 17$.

