

4.NBT.B.4 Addition or Subtraction Equations (Practice Problems)

4.NBT.B.4: Fluently add and subtract multi-digit whole numbers using the standard algorithm.

1. Solve the equation.

- $m + 7 = 10$
- $w + 3 + 7 = 15$
- $8 - x = 4$
- $s - 6 = 8$
- $12 + (15 - y) = 17$
- $k - 5 = 5$

Solution:

-
-
-
-
-
-

2. Write an equation for each statement below.

- Jake has 18 birds. 13 of them are parrots and rest of them are quail.
- Douglas studied 25 hours in a week. He solved math problems. He spent 10 hours writing an essay.
- Jacob had 27 animals in their farm. They had 15 cows and some are horses.

Solution:

-
-
-

3. Write a word problem that can be solved using the equation given below.

- $14 - s = 5$
- $x + 8 = 11$
- $y - 7 = 13$

Solution:

-
-
-

4. If $x + 6 = 12$ and $x - y = 3$. Find x and y . Explain your method.

Solution:

5. Teacher Kenneth had 13 White American learners, 8 Black Americans and some foreigners. Teacher Kenneth had a total number of 26 learners. Which equation can be used to find the number of foreign learners?

- $26 = 13 + 8 - x$
- $13 + 8 + x = 26 - 13 - 8$
- $13 - 8 + x = 26$
- $13 + 8 + x = 26$

Solution:

4.NBT.B.4 Addition or Subtraction Equations (Practice Problems)

4.NBT.B.4: Fluently add and subtract multi-digit whole numbers using the standard algorithm.

Answer Key

1. Solve the equation.

- a. $m + 7 = 10$
- b. $w + 3 + 7 = 15$
- c. $8 - x = 4$
- d. $s - 6 = 8$
- e. $12 + (15 - y) = 17$
- f. $k - 5 = 5$

Solution:

- a. 3
- b. 5
- c. 4
- d. 14
- e. 10
- f. 10

2. Write an equation for each statement below.

- a. Jake has 18 birds. 13 of them are parrots and rest of them are quail.
- d. Douglas studied 25 hours in a week. He solved math problems. He spent 10 hours writing an essay.
- e. Jacob had 27 animals in their farm. They had 15 cows and some are horses.

Solution:

- a. $13 + q = 18$
- b. $m + 10 = 25$
- c. $15 + x = 27$

3. Write a word problem that can be solved using the equation given below.

- a. $14 - s = 5$
- b. $x + 8 = 11$
- c. $y - 7 = 13$

Solution:

(Many possible answers)

4. If $x + 6 = 12$ and $x - y = 3$. Find x and y . Explain your method.

Solution:

$x = 6$ and $y = 3$

5. Teacher Kenneth had 13 White American learners, 8 Black Americans and some foreigners. Teacher Kenneth had a total number of 26 learners. Which equation can be use to find the number of foreign learners?

- A. $26 = 13 + 8 - x$
- B. $13 + 8 + x = 26 - 13 - 8$
- C. $13 - 8 + x = 26$
- D. $13 + 8 + x = 26$

Solution:

D