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4.NBT.B.4 Formulate an Equation From a Given Problem Statement.

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

1. Write an equation for each statement below using a variable. What does the variable represent?
   a. Sophie has eight pairs of slipper. One pair is green. Three pairs are red. Rest of them are pink.
   b. James caught seven chicken on their trip to chicken farm. He gave away some to the soup kitchen on his way home. He brought four chicken back to his home.

Solution:
a.
b.

2. Solve the equation.
   a. $x + 11 = 17$
   b. $m - 4 = 6$
   c. $8 - r = 2$
   d. $q + 7 = 13$
   e. $6 + (13 - w) = 12$
   f. $p - 8 = 0$

Solution:
a.
b.
c.
d.
e.
f.

3. Write an equation to find out the missing score to reach student. Solve the equation.

Student's Name	Science Score	Math Score	Total Score
M. Sam	92		178
L. Ken		95	188
W. Mary	84		175

Solution:

4. Write a word problem for each of the equations below.
   a. $k - 5 = 4$
   b. $g + 16 = 108$
   c. $36 - w = 25$

Solution:
a.
b.
c.

5. If $x - 4 = 6$ and $3x + y = 38$, find x and y. Explain your method.

Solution:

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Answer Key

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

1. Write an equation for each statement below using a variable. What does the variable represent?
   a. Sophie has eight pairs of slipper. One pair is green. Three pairs are red. Rest of them are pink.
   b. James caught seven chicken on their trip to chicken farm. He gave away some to the soup kitchen on his way home. He brought four chicken back to his home.

Solution:
a. 1 + 3 + a = 8
b. x + 4 = 7

2. Solve the equation.
   a. x + 11 = 19
   b. m – 4 = 6
   c. 8 – r = 3
   d. q + 7 = 13
   e. 9 + (13 – w) = 19
   f. p – 8 = 0

Solution:
a. 8
b. 10
c. 5
d. 6
e. 3
f. 8

3. Write an equation to find out the missing score to reach student. Solve the equation.

Student's Name	Science Score	Math Score	Total Score
M. Sam	92	86	178
L. Ken	93	95	188
W. Mary	84	91	175

Solution:
(Write your solutions here)

4. Write a word problem for each of the equations below.
   d. k – 5 = 4
   e. g + 16 = 108
   f. 36 – w = 25

Solution:

(Many possible answers)

5. If x – 4 = 6 and 3x + y = 38, find x and y. Explain your method.

Solution:
x = 10
y = 8