Lesson # 13

Solving Addition and Subtraction Equations

Date

Warmup

1.
$$\begin{array}{r} s \\ +5.01 \\ \hline 8.26 \end{array}$$

2.
$$\begin{array}{r} t \\ -4.12 \\ \hline 5.25 \end{array}$$

3.
$$\begin{array}{r} 7.01 \\ +\ p \\ \hline 9.51 \end{array}$$

I. Solving Addition Equations

Equation: A mathematical sentence expressing that two quantities are of equal value.

The bears are not equal in weight.

$s + 5 \quad 8$

=

s

=

$7 + p = 9$

To Solve Addition Equations:

1. Write the equation
2. To isolate the variable, subtract the same amount on both sides.
3. Simplify.
4. Check your answer.

5.

$c + 8 = 15$ *Check*

6.

$16 + y = 21$ *Check*

II. Solving Subtraction Equations

$t - 3$ 2

=

t

=

$t - 10 = 10$

To Solve Subtraction Equations:

1. Write the equation
2. To isolate the variable, add the same amount on both sides.
3. Simplify.
4. Check your answer.

7.

$z - 7 = 9$ *Check*

8.

$m - 12 = 8$ *Check*

III. Solving Addition and Subtraction Equations with Decimals

$a + 18.54 = 36.45 \quad Check$

To solve addition and subtraction equation with decimals follow the same rules as solving addition and subtraction equations.

9.

$6.3 + c = 23.55 \quad Check$

10.

$t - 15.75 = 9.28 \quad Check$

IV. Word Problems with Addition and Subtraction Equations

Anna is 5 inches taller than Barbara. Anna is 54 inches. How tall is Barbara?

Sam is 7 years younger than Tim. If Sam is 9 years old, how old is Tim?

11. Rebecca is 9 inches shorter than Ashley. How tall is Ashley if Rebecca is 43 inches?

12. John was given a raise of 2 dollars per hour. How much was John earning before the raise if he is now earning 20 dollars per hour?

V. Practice

13	14
15	16
17	18
19	20
21	22
23	24
25	26

27	28
29	30