I Can Solve Equations by Combining Like Terms to Simplify the Equation first.

Solving Equations by Combining Like Terms

We Do:

Combining Like Terms

Two Inverse Operations Steps

1.
$$18 = a + 5 + 9$$

$$2. \quad n-5+17=25$$

You Do:

3.
$$m+16+12=50$$

$$_{4.}$$
 30 = $p-9+19$

$$6. 8+g-19=3$$

We Do:

7.
$$4a + a = 15$$

8.
$$20 = 8m - 6m$$

9.
$$2y + 8y - 3y = 21$$

You Do:

10. 45 = k + 7k + k 11. 29v - 25v = 44 12. 100 = 16x + x - 7x

Word Problems: WRITE equations FIRST and then SOLVE to Answer the Problem

We Do:

1. The product of 4 and a number plus the product of 3 and the same number is 35. What is the number?

2. A number added to 12 and then subtracted by 18 equals 26. What is the number?

You Do:

3. Beth is 3 times older than her sister Jill. If together their ages are \$\mathbb{g}\$, how old is each girl?

4. A number minus 8 and then subtracted by 12 is equal to 5. What is the number?

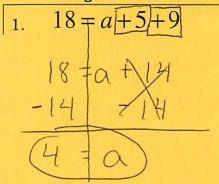
I Can Solve Equations by Combining Like Terms to Simplify the Equation first.

Solving Equations by Combining Like Terms

e Do:

Combining Like Terms

Two Inverse Operations Steps



2.
$$n-5+17=25$$
 -17
 -17
 $n+5=8$
 $+5$
 $+5$

You Do:

3.
$$m + 16 + 12 = 50$$
 4. $30 = p - 9 + 19$ 6. $8 + g - 19 = 3$

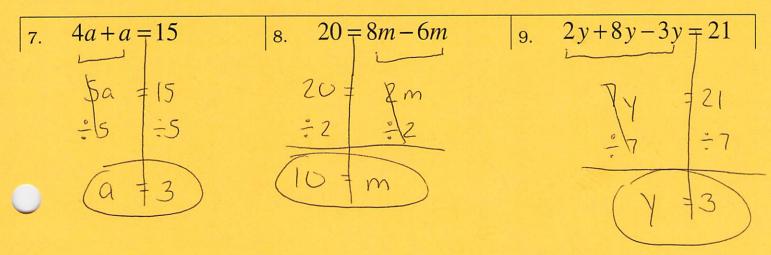
$$-28 - 28 - 10 - 10$$

$$m + 22$$

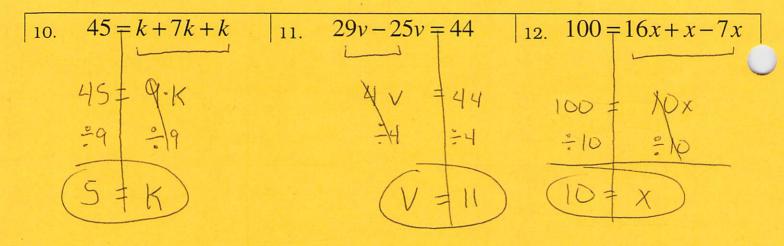
$$20 = 9$$

$$9 = 14$$

We Do:



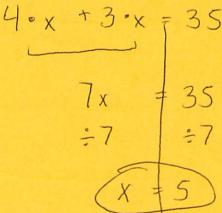
You Do:



Word Problems: WRITE equations FIRST and then SOLVE to Answer the Problem

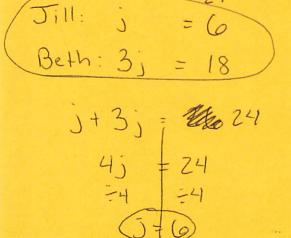
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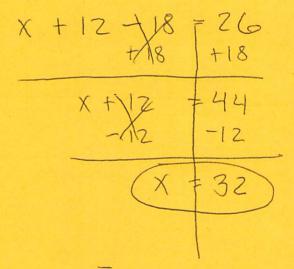


You Do:

3. Beth is 3 times older than her sister Jill. If together their ages are , how old is each girl?



2. A number added to 12 and then subtracted by 18 equals 26. What is the number?



4. A number minus 8 and then subtracted by 12 is equal to 5. What is the number?

