

# LINEAR EQUATIONS

CANSU OLCE

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1. I'm thinking of a number. I add 9 and then multiply the result by 2. The answer is 30.

What is the number I am thinking of?

2. I'm thinking of a number. I take away 6 from it and get an answer of 14.

What is the number I am thinking of?

3. I'm thinking of a number. I add 7 and then divide the result by 12. The answer is 10.

What is the number I am thinking of?

4. I'm thinking of a number. I add 1 and then triple the result. The answer is 27.

What is the number I am thinking of?

5. I'm thinking of a number. I double it, then subtract 10 and get an answer of -6.

What is the number I am thinking of?

6. I'm thinking of a number. I divide it by 6, then subtract 3 and get an answer of 8.

What is the number I am thinking of?

7. I'm thinking of a number. I add 4 to it and get an answer of 22.

What is the number I am thinking of?

8. Solve the equation  $6a + 10 = 3a - 14$ .

9. Solve the equation  $4x - 23 = 3(4x + 3)$ .

10. Solve the equation  $-7(y + 6) = -3(y + 10)$ .

ANSWERS

1. 6
2. 20
3. 113
4. 8
5. 2
6. 66
7. 18
8. -8
9. -4
10. -3

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