The City School

North Nazimabad Boys Campus

Topic: Problem Solving Involving Algebra

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class: 7 Sec:\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_**

**Q: Construct an equation from the information given in each question and then solve it.**

1. A number is subtracted from 10 and the result is 3. What is the number?

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1. A number is subtracted from 9. The result is multiplied by 10 and the final result is 40. What is the number?

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1. I think of a number, add 7and multiply the result by 5. The answer is 65. What is the number?

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1. The length of a room is 2 meter more than its breadth. The perimeter of a room is 20 meters. Find the length and breadth of the room.

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1. The sum of three consecutive numbers is 192. Find the numbers.

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1. 6 is subtracted from a number and the result is multiplied by 4. The answer is same if 3 is subtracted from the number and the result is multiplied by 2. What is the number?

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1. The sum of two consecutive odd numbers is 16. Find the numbers.

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1. When a number is doubled and 5 is subtracted from the result, the answer is 37. What is the number?

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1. The sum of two numbers is 120. If the larger number is four times the smaller number. What are the two numbers?

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1. Ahmed is twice as old as Bobby. John is 7 years younger than Ahmed. If the sum of their ages is 38, how old are these boys?

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1. When a number is divided by 4 and has 12 subtracted from it, the result is $\frac{1}{6}$ of the number. What is the number?

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1. The sum of three consecutive even numbers is 210. Find the largest of these numbers.

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