Codeyoung

Application_Grade-7_Algebra

Framing Equations and Identifying Solutions

1. The sum of two numbers is 96, and one of them is 18 more than the other. What are the two numbers?

2. Divide $230 among three people so that the second will have thrice as much as the first, and the third will have $15 less than the second.

3. Sheena has $60, which is nine dollars more than thrice what John has. How much has John?

4. Carlos spent $65 at the market. This was five dollars more than six times what he spent at the bookstore; how much did he spend there?

5. There are 17 blue marbles. This is five more than thrice the number of green marbles. How many green marbles are there?

6. Janet spent $200 on books. This was 8 dollars less than eight times what she spent on dinner. How much did she spend on dinner?

7. The sum of two numbers is 98, and one of them is 16 more than the other. What are the two numbers?

8. A class of 101 students is divided into two groups; one group has eleven less than the other; how many are in each group?

9. The sum of two numbers is 147, and one of them is six times the other; what are the two numbers?

10. A group of 252 persons consists of men, women, and children. There are five times as many men as children, and thrice as many women as children. How many of each are there?

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