

Linear Equations in One Variable

Topic: Word Problems

Name: Note: Provide the answers in proper fraction. Eg. $289/18$ Date:

1. I am currently 5 times as old as my son. In 6 years time I will be three times as old as he will be then. What are our ages now?

Father yrsSon yrs

2. I have Rs 1000 in ten and five rupee notes. If the number of ten rupee notes that I have is ten more than the number of five rupee notes, how many notes do I have in each denomination?

Five rupee notes Ten rupee notes

3. There are 180 multiple choice questions in a test. If a candidate gets 4 marks for every correct answer and for every unattempted or wrongly answered question one mark is deducted from the total score of correct answers. If a candidate scored 450 marks in the test, how many questions did he answer correctly?

4. A labourer is engaged for 20 days on the condition that he will receive Rs 60 for each day, he works and he will be fined Rs 5 for each day, he is absent. If he receives Rs 745 in all for how many days he remained absent?

5. Ravish has three boxes whose total weight is $60 \frac{1}{2}$ Kg. Box B weighs $3 \frac{1}{2}$ kg more than box A and box C weighs $5 \frac{1}{3}$ kg more than box B. Find the weight of box A. kg

6. The numerator of a rational number is 3 less than the denominator. If the denominator is increased by 5 and the numerator by 2, we get the rational number $\frac{1}{2}$. Find the rational number.

7. The sum of a two-digit number and the number obtained by reversing its digits is 121. Find the number if its unit place digit is 5.

8. The denominator of a fraction is greater than the numerator by 8. If the numerator is increased by 17 and denominator is decreased by 1, the number obtained is $\frac{3}{2}$. Find the fraction.

