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Teaching Learning Material

Class - 7th

Subject - Mathematics

Section - All

Subject teacher - Bandana Kumari

Word Problems

EXAMPLES:-

1. Solve the following riddle :

I am a number. Tell my identity. Take me 7 times and add fifty. To reach a triple century, you still need forty.

Sol: Let the number be x .

$$7x + 50 = 300 - 40$$

$$7x + 50 = 260$$

$$7x = 260 - 50$$

$$7x = 210$$

$$x = \frac{210}{7}$$

$$x = 30.$$

So, the number is 30.

EXERCISE:-

1. Set up the equations and solve them to find the numbers:

- (a) Find a number which when added to its half gives 42.
- (b) Add 7 to 6 times a number, you get 73.
- (c) One sixth of a number minus 5 gives 31.
- (d) Seven taken away from twice a number is 27.
- (e) Tushar subtract thrice the number of storybooks he has from 100, he finds that the number is 34.
- (f) A number multiplied by 4 gives 64.
- (g) Sum of two consecutive numbers is 45.
- (h) One number exceeds the other by 9 and their sum is 81.
- (i) A number when multiplied by 4 is 33 more than itself.
- (j) Father is three times son's age and the sum of their ages is 100. Find son's age.
