

VIII - Mathematics Assignment No.-09 - Linear Equations in one variable

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M. C. Q.

Q1. The sum of two consecutive even numbers is 182. The larger number is

- (i) 92 (ii) 90 (iii) 88 (iv) 86

Q2. The possible value of x in the linear equation $\frac{2}{3}x + 1 = \frac{7}{3}$ is

- (i) 3 (ii) 2 (iii) -2 (iv) -3

Q3. The value of x in $\frac{x}{4} + \frac{x}{6} = x - 7$ is

- (i) 10 (ii) 11 (iii) 12 (iv) 13

Q4. $\frac{2}{3}$ rd of a number is 20 less than the original number. The number is

- (i) 80 (ii) 90 (iii) 60 (iv) 70

Q5. A number whose fifth part increased by 5 is equal to its fourth part diminished by 5. The number is

- (i) 100 (ii) 120 (iii) 80 (iv) 60

Q6. The value of x from $\frac{3x+5}{2x+1} = \frac{1}{3}$ is

- (i) 2 (ii) -2 (iii) 3 (iv) -3

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Cont - Pg-2

Q7. The Sum of two digit number is 15. The number formed by the digits is less than the original number by 27. The number is

- (i) 63 (ii) 78 (iii) 96 (iv) 36

Q8. A purse contains coins of Rs 2, Rs 5, Rs 10 in the ratio 1:2:3. If total worth of the coins is Rs 42. The number of Rs 10 coins are

- (i) 1 (ii) 2 (iii) 3 (iv) 4

Q9. A is now 1 year older than B. In 10 years, A will be twice as old as B was 10 years ago. The age of A is

- (i) 43 years (ii) 50 years (iii) 46 years (iv) 44 years.

Q10. In a fraction, twice the numerator is two more than the denominator. If 3 is added to each, the numerator and the denominator, the new fraction is $\frac{2}{3}$. The fraction is

- (i) $\frac{5}{12}$ (ii) $\frac{7}{12}$ (iii) $\frac{9}{12}$ (iv) $\frac{3}{4}$

ANSWERS	(Q3) (ii)	(Q6) (ii)	(Q9) (i)
(Q1) (i)	(Q4) (iii)	(Q7) (iii)	(Q10) (ii)
(Q2) (ii)	(Q5) (i)	(Q8) (iii)	