

VIII - Mathematics Test No. - 04 - Linear Equations -In One Variable - M.C.Q. - Type

Choose the correct answer from the multiple answers.

Max. Marks = 50; Max. Time = 90 min.

General Instructions

1. In all there are 25 questions.
2. Each question carries 02 marks.
3. There is no negative marking.
4. Selecting more than one answer in any question leads to zero mark.

(Q1) In a linear equation, the highest power of x is

- (i) 1 (ii) 2 (iii) 3 (iv) 0

(Q2) The maximum number of terms in a linear equation is

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

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(Q3) A statement of equality which involves one or more variable is called

- (i) Polynomial (ii) Variable (iii) Equation
(iv) In equation.

(Q4) Write the statement, "3 times a number x is 27" in equation form

- (i) $3+x=27$ (ii) $3 \cdot x = 27$ (iii) $3 \div x = 27$
(iv) $3x = 27$

(Q5) The solution of $4x-7=25$ is

- (i) 3 (ii) -8 (iii) 32 (iv) 16

(Q6) The solution of $3(x+2)-2(x+6)=4(x-5)$ is

- (i) $\frac{3}{14}$ (ii) $\frac{14}{3}$ (iii) $-\frac{16}{3}$ (iv) $\frac{8}{5}$

(Q7) Minimum number of terms in a linear equation in one variable is

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

(Q8) If 8 is subtracted from [learnCBSE.in](https://www.learnCBSE.in) a number, the result is 80. The number is

- (i) 19 (ii) 20 (iii) 21 (iv) 22

(Q9) The sum of two consecutive odd numbers is 92. The lowest odd no. is

- (i) 45 (ii) 47 (iii) 49 (iv) 51

(Q10) Arun's father is 3 times as old as his son. After 15 years, he will be twice the age of his son. The age of the father is

- (i) 40 years (ii) 45 years (iii) 50 years
(iv) 35 years.

(Q11) If 12 is subtracted from a number we get 25. The number is

- (i) 35 (ii) 36 (iii) 37 (iv) 38

(Q12) The length of a rectangular park is three times its breadth. If the perimeter of the park is 1440 m., The length of the park is

- (i) 570 m (ii) 560 m (iii) 550 m (iv) 540 m

(Q13) In a school, the ratio of boys and girls is 3:2. If total strength of the school is 600. The number of girls are

- (i) 240 (ii) 250 (iii) 300 (iv) 350

(Q14) The value of x from $\frac{x}{8} - \frac{1}{2} = \frac{x}{6} - 2$ is

- (i) 38 (ii) 37 (iii) 36 (iv) 35

(Q15) A bag contains 25P and 50P coins totaling worth Rs 40. The total number of coins of 25P and 50P are 100. Find the number of 50P coins.

- (i) 50 (ii) 60 (iii) 40 (iv) 30

(Q16) Five times the price of a pen is Rs 17 more than three times its price. Pg 5

The price of the pen is

- (i) Rs 7 (ii) Rs 7.50 P (iii) Rs 8 (iv) Rs 8.50 P

(Q17) The length of a wire is 80m. It is bent in the form square. The area of square is

- (i) 400 m^2 (ii) 500 m^2 (iii) 531 m^2 (iv) 324 m^2

(Q18) The sum of two consecutive even numbers is 82. The smallest even no. is

- (i) 38 (ii) 40 (iii) 42 (iv) 44.

(Q19) A fraction is such that its denominator (Dr) is greater than numerator (Nr) by 2. The sum of Nr & Dr is 8. The fraction is

- (i) $\frac{5}{7}$ (ii) $\frac{1}{3}$ (iii) $\frac{3}{5}$ (iv) $\frac{7}{9}$

(Q20) Find x from $0.25(4x-3) = 0.05(10x-9)$

- (i) $\frac{2}{3}$ (ii) $\frac{5}{7}$ (iii) $\frac{5}{3}$ (iv) $\frac{3}{5}$

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(Q21) What should be added to twice the ^{pg-6}
rational number $(-\frac{7}{3})$ to get $\frac{5}{7}$? [learnbse.in](https://www.learnbse.in)

- (i) $7\frac{2}{21}$ (ii) $6\frac{2}{21}$ (iii) $5\frac{2}{21}$ (iv) $4\frac{2}{21}$

(Q22) The difference between two numbers is 215 and their ratio is 2:7. The smallest number is

- (i) 84 (ii) 86 (iii) 87 (iv) 88

(Q23) The base of an isosceles triangle is $1\frac{1}{3}$ cm. The perimeter of the triangle $4\frac{2}{15}$ cm. Find the length of remaining two sides

- (i) $1\frac{2}{5}$ cm, $2\frac{2}{5}$ cm (ii) $1\frac{2}{5}$ cm, $3\frac{2}{5}$ cm
(iii) $1\frac{2}{5}$ cm, $1\frac{2}{5}$ cm (iv) $1\frac{3}{5}$ cm, $1\frac{3}{5}$ cm

(Q24) The solution of the equation

$$\frac{3m-5}{2} = \frac{2m-5}{3} \text{ is}$$

- (i) 0 (ii) 2 (iii) 3 (iv) 1

(Q25) Which of the following is not a linear Equation

- (i) $x^2 = 12$ (ii) $3y = 24$ (iii) $x+y=7$ (iv) $x-7=0$