



GRADE 8TH MATHS
CHAPTER 2

Linear Equation in One Variable

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MCQ Questions for Class 8 Maths Chapter 2 Linear Equations in One Variable

1. Solve $2y + 9 = 4$.

- (a) $-5/2$
- (b) $1/2$
- (c) 2
- (d) None of these

2. Solve: $x = 4/5(x+10)$

- (a) 20
- (b) 10
- (c) 40
- (d) 30

3. A number is 56 greater than the average of its third, quarter and one-twelfth. Find the number.

- (a) 85
- (b) 64
- (c) 72
- (d) 40

4. Solve: $5t - 3 = 3t - 5$

- (a) -1
- (b) 1
- (c) 0
- (d) 2

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5. If 15 is subtracted from a number, it becomes -5. This statement in the form of an equation is

(a) $x + 15 = -5$

(b) $x - 15 = 5$

(c) $x + 15 = 5$

(d) $x - 15 = -5$

6. Solve: $x - 2 = 7$

(a) -5

(b) 5

(c) 9

(d) None of these

7. A number when subtracted from 40 results into 15. This statement in the form of an equation is

(a) $40 - x = 15$

(b) $x - 40 = 15$

(c) $40 + x = 15$

(d) $40x = 15$

8. The sum of three consecutive multiples of 7 is 357. Find the smallest multiple.

(a) 112

(b) 126

(c) 119

(d) 116

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9. Neeti was counting down from 34 and Thomas was counting upwards simultaneously, the number starting from 1 and he was calling out only the odd numbers. Which common number will they call out at the same time if they were calling out at the same speed?

- (a) 20
- (b) 21
- (c) 22
- (d) 23

10. The number 299 is divided into two parts in the ratio 5:8. The product of the numbers is_____.

- (a) 21140
- (b) 21294
- (c) 21160
- (d) 31294

11. An MNC company employed 25 men to do the official work in 32 days. After 16 days, it employed 5 more men and work was finished one day earlier. If it had not employed additional men, it would have been behind by how many days?

- (a) 1 day
- (b) 2 days
- (c) 3 days
- (d) 2.5 days

12. Solve: $4y = 20$

- (a) 5
- (b) 16
- (c) 4

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(d) 24

13. Find the solution of $2x - 3 = 7$

(a) 3

(b) 4

(c) 5

(d) None of these

14. The root of the equation $z + 4 = -8$ is

(a) 3

(b) -32

(c) 12

(d) 4

15. The present age of Sahil's mother is three times the present age of Sahil. After 5 years their ages will add to 66 years. Find their present ages.

(a) 28 years, 42 years

(b) 14 years, 56 years

(c) 28 years, 56 years

(d) 14 years, 42 years

16. Solve: $5x + 9 = 5 + 3x$

(a) -2

(b) -1

(c) 2

(d) None of these

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17. The sum of two digit number and the number formed by interchanging its digit is 110. If ten is subtracted from the first number, the new number is 4 more than 5 times of the sum of the digits in the first number. Find the first number.

- (a) 46
- (b) 48
- (c) 64
- (d) 84

18. If $(\frac{2}{3})$ rd of a number is 20 less than the original number, then the number is_____.

- (a) 60
- (b) 40
- (c) 80
- (d) 120

19. The numerator of a fraction is 4 less than the denominator. If the numerator is decreased by 2 and denominator is increased by 1, then the denominator is eight times the numerator. Find the fraction.

- (a) $\frac{4}{12}$
- (b) $\frac{3}{13}$
- (c) $\frac{3}{7}$
- (d) $\frac{11}{7}$

20. In the following number sequence, how many such even numbers are there which are exactly divisible by its immediate preceding number but not exactly divisible by its immediate following number?

3 8 4 1 5 7 2 8 3 4 8 9 3 9 4 2 1 5 8 2

- (a) One

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(b) Two

(c) Three

(d) Four

21. What will be the solution of these equations $ax+by = a-b$, $bx-ay = a+b$

(a) $x = 1, y = 2$

(b) $x = 2, y = -1$

(c) $x = -2, y = -2$

(d) $x = 1, y = -1$

22. A store has provision which would last for a certain number of men for 21 days. For one seventh of the men it will last for how many days?

(a) 147

(b) 158

(c) 129

(d) 174

