

Class VII ASSIGNMENT

Chapter 4 Simple equations

Solve these equations.

1. $3x-5 = \frac{7}{2}$

Answer $\frac{17}{6}$

2. $\frac{5}{3}l = -\frac{2}{5}$

Answer $-\frac{6}{25}$

3. $4(x-3)=16$

Answer 7

4. $-10 + (10+y)=-20$

Answer -20

5. $4=4+2p-3$

Answer $\frac{3}{2}$

6. $\frac{3r}{2} = \frac{5}{2} - 1$

Answer 1

7. $5(x-5)=-25 x$

Answer $\frac{5}{6}$

8. $3x-6 = \frac{5}{6} + x$

Answer $\frac{41}{12}$

9. $\frac{3}{7}x-2=5$

Answer $\frac{49}{3}$

10. Determine by substitution if

(i) -2 is root of $5x=10$

(ii) -5 is root of $x-5=0$

11. Find value of unknown

$$\square + \frac{3}{8} = 1\frac{3}{8}$$

Answer 1

12. Find value of consecutive even numbers

whose sum is 96.

Answer (30, 32, 34)

13. Anita is now 12 years old and Ravita is 24 years old. How many years ago was Ravita three times as old as Anita

Answer 6

14. If one side of square is $4x-7$ and adjacent side is represented by $3x+5$, find value of x

Answer 12

15. Express in words.

$$\frac{48}{p} = 4$$

$$2=6m-10$$

$$9y-2=7$$

16. Form equations

(i) The sum of 13 and unknown number is 46.

(ii) A number when divided by 7 gives quotient 5.

(iii) Sandeep has twice as many rupees as Sonia. Together they have Rs 150

