

NCERT SOLUTIONS CLASS-8 MATHS

CHAPTER-2 EXERCISE-2.4

Question 1:

solve $x-3=6$

Answer :

$$x-3=6$$

Transporting 3 to the right hand side(R.H.S) We get

$$X=6+3=9$$

Question 2:

solve : $y+4=9$

Answer:

Transporting 4 to R.H.S we obtain

$$Y=9-4=5$$

Question 3:

solve : $7=z+3$

Answer:

Bring 3 to L.H.S ,we obtain

$$7-3=z$$

$$Z=4$$

Question 4:

Solve : $\frac{3}{8} + x = \frac{19}{6}$

Answer:

$$\frac{3}{8} + x = \frac{19}{6}$$

Bring $\frac{3}{8}$ to the R.H.S ,we obtain

$$X = \frac{19}{6} - \frac{3}{8}$$

$$X = \frac{23}{8}$$

Question 5:

Solve $3x=6$

Answer :

$$3x=6$$

Dividing both side by 3,we get

$$\frac{3x}{3} = \frac{6}{3}$$

$$x=2$$

Question 6:

Solve : $\frac{t}{2} = 5$

Answer :

$$\frac{t}{2} = 5$$

Multiplying both side by 2 ,we get

$$\frac{t}{2} * 2 = 5 * 2$$

$$T=10$$

Question 7:

Solve :

$$\frac{2x}{5} = 16$$

Multiply both sides by $\frac{5}{2}$,we obtain

$$\frac{5}{2} * \frac{2x}{5} = 16 * \frac{5}{2}$$

$$X=40$$

Question 8:

Solve : $1.4 = \frac{y}{1.2}$

Solutions:

$$\frac{y}{1.2}$$

Multiply both side by 1.2 ,we obtain

$$1.4*1.2 = \frac{y}{1.2} * 1.2$$

$$Y=1.68$$

Question 9:

Solve: $5x-3=15$

Bring 3 to R.H.S , we obtain

$$5x=15+3$$

$$5x=18$$

Dividing both sides by 5 ,we get

$$\frac{5x}{5} = \frac{12}{5}$$

$$X = \frac{12}{5}$$

Question 10:

solve $12y-6=7$

Answer

$$12y-6=7$$

Bring 6 to RHS ,We get

$$12y=7+6$$

$$12y=13$$

Divide both side by 12

$$\frac{12y}{12} = \frac{13}{12}$$

$$Y = \frac{13}{12}$$

Question 11:

Solve $13+5x=9$

Answer : $13+5x=9$

Tranposing 13 to RHS We get

$$5x=9-13$$

$$5x= -4$$

Divide 5 by both side we obtain

$$\frac{5x}{5} = \frac{-4}{5}$$

$$X = \frac{-4}{5}$$

Question 12:

Solve: $\frac{x}{4} + 1 = \frac{6}{15}$

Answer:

$$\frac{x}{4} + 1 = \frac{6}{15}$$

Changing 1 to the RHS , we get

$$\frac{x}{4} = \frac{6}{15} - 1 \quad \frac{x}{4} = \frac{6-15}{15} \quad \frac{x}{4} = \frac{-9}{15}$$

Multiply either side by 4 we get

$$\frac{x*4}{4} = \frac{-9*4}{15}$$

$$X = \frac{12}{5}$$

