PRACTICE QUESTIONS CLASS-8TH

1. The value of the variable in the equation $4y - 15 = 4$ is

2. The value of x in the equation $4 + 2x = 0$ is

3. Solve $14 + 2(12-5)$

4. The additive inverse of -4 is _____

5. The reciprocal of $\frac{-3}{6}$ is _____

6. Find two rational numbers between $\frac{-2}{5}$ and $\frac{-3}{6}$.

7. Represent $\frac{7}{2}$ on a number line.

8. Find the additive inverse and multiplicative invers of $\frac{-7}{19}$.

9. Solve and find the value of y in $4 + 5(y - 1) = 34$.

10. Solve and find the value of p in $6p - 4.2 = 5.4$

11. Find r if $4r - 8 = 13r$.

12. Find g if $3(g + 4) = 45 - g$.

13. Find q if $-2(q - 5) = 12(q + 5)$

14. Solve $8x - 4 = 3(x - 1) + 7$

15. Find the length of the side of an equilateral triangle if its perimeter is 180cm.

16. Dileep has 3more marbles than Rohit. If together they have 95 marbles, then how many marbles Dileep have?

17. In a class of 40 students, the number of girls is two-third of boys. Find the number of girls.

18. The length of a rectangle is three times its width. If its perimeter is 96cm, then find its length and width.

19. Find the value of m if 4 less from thrice a number is 14.

20. If a number is tripled and the result is increased by 5, we get 50. Find the number.

29. Solve and find h in $2h + 6 = 0$

30. Find the value of y in $9y + 8 = 4y - 7$.

31. If $k + 7 = 16$, then find the value of $8k - 72$.

32. Which of the equation has 5 as a solution.

   a) $4x + 1 = 2$ b) $3 - x = 8$ c) $x - 5 = 3$ d) $3 + x = 8$

33. Find three rational numbers equivalent to $\dfrac{-7}{19}$.

34. Reduce $\dfrac{44}{121}$ to standard form.

35. Solve : $2\dfrac{3}{4} + 1\dfrac{1}{2}$

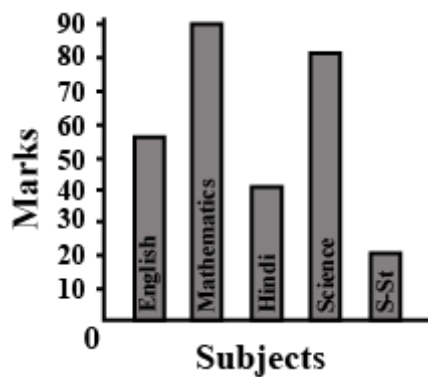36. Solve $6\dfrac{8}{9} - \dfrac{7}{3}$

37. Find 50 % of 164.

38. 8 % of 25 children like playing chess. How many children don't like playing chess.

39. Find y if 35% of y is 420.

40. A shopkeeper bought a chair for Rs. 375 and sold it for Rs. 400. Find the gain.

41. The following bar chart shows the marks obtained by Patricia in her class 5 examinations.

(a) Name the subject in which Patricia obtained the maximum marks.

(a) Name the subject in which Patricia obtained the least marks.

(c) What is her combined score in Maths and Sanskrit.

43. Following are the marks obtained by 40 students in Science. Arrange these marks in a table using tally marks.

45,56,56,56,34,80,78,90,90,90,87,87,78,56,56,56,56,45,45,45,80,78,90,56,76,45,76, 56,76,50,80,90,50,90,50,50, 45,56,76,50.

44. Express the following numbers as a product of powers of prime factors.

   i) 72   ii) 1000

45. Find the value of-   a) 2^6 b) 5^4

46. Simplify $(-2)^3 \times (-10)^2$

47. Can you tell which is greater? (5^2) or $(2)^5$?

48. Simplify: $2^3 \times a^2 \times 5a^2$

49. When a dice is thrown, what is the probability (chance) of getting a 6.

50. What is the probability of getting a prime number from numbers 20 to 50.