

ST THOMAS SCHOOL

WORKSHEET – 7

CLASS – VIII SUBJECT – MATHEMATICS

- Q1. The edge of a cube is $\sqrt{49}$ cm. Its surface area is _____.
- Q2. Find the height of a cuboid of volume 24m^3 with length 4m and breadth 3m. _____.
- Q3. What is area of rhombus if its diagonals are 12cm and 16cm? _____.
- Q4. If edge of a cube is 11cm, find its surface area. _____.
- Q5. Area of trapezium = _____.
- Q5. Area of four walls = _____.
- Q6. If 16% of $x = 40$ then, $x =$ _____.
- Q7. If the rate of interest is different for three years as r_1, r_2 and r_3 , then amount after 3 years will be given by _____.
- Q8. The factorisation of $x^2 + 2x - 24$ is? _____.
- Q9. Find the S.P. when Marked Price is Rs 550 and discount is 10%. _____.
- Q10. The ratio of the length and breadth of a rectangular field is 1 : 3. If its perimeter is 48cm, find its length and breadth. _____.
- Q11. The solution of the equation $\frac{x}{0.5} = \frac{2}{5}$ will be? _____
- Q12. A two digit number whose ones digit is '2x' and tens digit is 'y'. _____
- Q13. An algebraic expression as a product of two or more factors is called? _____
- Q14. $16z^2 - 81 =$ _____.
- Q15. What is the probability of getting a composite number if a dice is rolled ? _____
- Q16. In a game of chance the probability of winning is $\frac{1}{3}$. What is the probability of losing? _____.
- Q17. From a pack of shuffled card, what is the probability of getting a black king? _____.

Q18. What is the mid value of class interval called? _____.

Q19. Find the sum of the lengths of the bases of a trapezium whose area is 4.2m^2 and whose height is 2.8m.

Q20. In a class, 80 students passed and rest failed. If 80% failed, find the number of students in the class. _____

Q21. Five times a number is 55. The number is _____

Q22. Find three consecutive odd numbers whose sum is 21. _____

Q23. Factors of $x^2 + 7x + 6 =$ _____.

Q24. $(38)^2 - (37)^2 =$ _____

Q25. A bag contains 4 red marbles, 7 blue marbles and 4 green marbles. The probability of selecting a red marble is? _____.