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? _____.