

SARALA BIRLA PUBLIC SCHOOL

Mahilong, Ranchi.

Revision Test (Mathematics) [21.1.2020]

Class - VIII

Answer all questions

1. The product of two rational number is always _____ . [1]
2. Find p : if $17 + 6p = 9$. [1]
3. Solve for x : $5x + \frac{7}{2} = \frac{3}{2}x - 14$. [2]
4. A train is moving at a uniform speed of 75 km/hr , how far will it travel in 20 minutes . [2]
5. Can a polyhedron have 10 faces, 20 edges and 15 vertices ? Verify . [2]
6. If Rani had ₹ 600 left after spending 75 % of her money , how much did she have in the beginning. [3]
7. An article was purchased for ₹ 1239 including GST of 18 % , find the price of an article before GST was added . [3]
8. Calculate the amount and compound interest on ₹ 62,500 for $1\frac{1}{2}$ years at 8% per annum compounded half yearly. [3]
9. A flooring tile has the shape of a parallelogram whose base is 24 cm and the corresponding height is 10 cm. How many such tiles are required to cover a floor of area 1080 m^2 . [3]
10. The diagonals of a rhombus are 7.5 cm and 12 cm , find its area and side . [4]
11. Find the height of a cylinder whose radius is 7 cm and the total surface area is 968 cm^2 . [4]
12. A rectangular piece of paper 11 cm x 4 cm is folded without overlapping to make a cylinder of height 4 cm. Find the volume of the cylinder. [4]
13. If a box of sweets is divided among 24 children , if they will get 5 sweets each, how many would each get, if the number of children is reduced by 4 . [4]
14. A car takes 2 hrs to reach a destination by travelling at the speed of 60 km/hr. How long will it take when the car travels at the speed of 80 km/hr. [4]