

Holidays Home Work

Class VIII (Maths)

1. Make a model when a train crosses a tunnel.

2. Make a model of $(a+b+c)^2$
3. Revise whole syllabus.

4. Do assignment in notebook given below-

ASSIGNMENT CLASS VIII

1) Find square root of 298116 by prime factorisation.

2) Find square root of $10\frac{2}{3}$ upto three places of decimal.

3) The product of two nos is 1575 and their quotient is $\frac{9}{7}$. Find the numbers.

4) Find least no of 4 digits which is a perfect square.

5) Find square root of 2304 and 1764 and hence find value of

$$\sqrt{0.2304} + \sqrt{0.1764} \quad \underline{\hspace{2cm}} \quad \underline{\hspace{2cm}}$$

$$\sqrt{0.2304} - \sqrt{0.1764} \quad \underline{\hspace{2cm}} \quad \underline{\hspace{2cm}}$$

6) Find volume of a cube whose surface area is 150 sq m.

7) Find cube root of 389017.

8) Find the smallest no by which 137592 must be multiplied so that it becomes a perfect cube. Find cube root of resulting number.

9) A truck needs 54 litres of diesel for covering a distance of 297 km. The diesel required by the truck to cover a distance of 550 km is (a) 100 litres (b) 50 litres (c) 25.16 litres (d) 25 litres

10. By travelling at a speed of 48 kilometres per hour, a car can finish a certain journey in 10 hours. To cover the same distance in 8 hours, the speed of the car should be (a) 60 km/h (b) 80 km/h (c) 30 km/h (d) 40 km/h
- 11 If $x = 5y$, then x and y vary _____ with each other.
- 12 If $xy = 10$, then x and y vary _____ with each other.
- 13 When two quantities x and y are in _____ proportion or vary _____ they are written as $x \propto y$.
- 14 When two quantities x and y are in _____ proportion or vary _____ they are written as $x \propto 1/y$
- 15 Both x and y are said to vary _____ with each other if for some positive number k , $xy = k$.
 x and y are said to vary directly with each other if for some positive number k , _____ = k .
- 23.
- 16 Two quantities are said to vary _____ with each other if they increase (decrease) together in such a manner that the ratio of their corresponding values remains constant.
- 17 Two quantities are said to vary _____ with each other if an increase in one causes a decrease in the other in such a manner that the product of their corresponding values remains constant.
- 18 . If 12 pumps can empty a reservoir in 20 hours, then time required by 45 such pumps to empty the same reservoir is _____ hours
- 19 .When the speed remains constant, the distance travelled is _____ proportional to the time.
- 20 On increasing a , b increases in such a manner that a remains _____ and positive, then a and b are said to vary directly with each other.
- 21 If on increasing a , b decreases in such a manner that _____ remains _____ and positive, then a and b are said to vary inversely with each other.
- 22 . If two quantities x and y vary directly with each other, then _____ of their corresponding values remains constant.
- 23 If two quantities p and q vary inversely with each other then _____ of their corresponding values remains constant.