Maths (New Book) - 10th Class Mathematics English Medium Chapter 3 Preparation

Q1. State of theorem of componendo - dividendo.

Ans 1:

Q2. What do you mean by inverse variations ?

Ans 1: If two quantities are related in such a way that when one quantity increases, the other decreases is called inverse variation.

Q3. Find a third proportional to 28 & 4.

Ans 1:

Q4. Define ratio and give one example.

Ans 1:

Q5. Which thing is important in a ration ?

Ans 1: The order of the elements is important in a ratio.

Q6. What is the relation between extremes and means ?

Ans 1: Product of extremes = Product of means

Q7. Define continued proportional

Ans 1: If three quantities a, b and c are related as a : b : : b : c where a is first, b is mean and c is third continued proportion.

Q8. Find x, if 6 : x : : 3 : 5

Ans 1: 6 : x : : 3 : 5
As, product of extremes = product of means
So, 6x5 = 3x
3x = 30
x = 10

Q9. Define fourth proportional.

Ans 1: In four quantities a, b, c and d are related as a : b : : c : d then d is called the fourth proportional.

Q10.

Ans 1:
