

Maths - 10th Class Mathematics English Medium Chapter 3 Preparation

Q1. If u and v varies inversely, and $u = 8$, when $v = 3$. Find v when $u = 12$.

Ans 1:

Q2. What is joint variation ?

Ans 1: A combination of direct and inverse variations of one or more than one variables forms joint variation.

Q3. What is sign of proportionality ?

Ans 1:

Q4. 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.

Q5. Define ratio and give one example.

Ans 1:

Q6.

Ans 1:

Q7. What is the ratio of 200gm to 700gm ?

Ans 1:

Q8. What is theorem of componendo - dividendo ?

Ans 1: If $a : b = c : d$ then
 $a + b : a - b = c + d : c - d$
 $a - b : a + b = c - d : c + d$

Q9. What is consequent ?

Ans 1: In ratio $a : b$, the second term b is called consequent.

Q10. Find the fourth proportional to 8, 7, 6

Ans 1:
