

## Maths - 10th Class Mathematics English Medium Chapter 3 Preparation

Q1. What is the unit of ratio ?

**Ans 1:** A ratio has no units.

Q2. If  $u$  and  $v$  varies inversely, and  $u = 8$ , when  $v = 3$ . Find  $v$  when  $u = 12$ .

**Ans 1:**

Q3. Define theorem of dividendo ?

**Ans 1:** if  $a : b = c : d$ , then  
 $a - b : b = c - d : d$   
 $a : a - b = c : c - d$  is called the theorem of dividendo.

Q4.

**Ans 1:**

Q5. What is joint variation ?

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

Q6. Find the fourth proportional to 8, 7, 6

**Ans 1:**

Q7.

**Ans 1:**

Q8. What is antecedent ?

**Ans 1:** In ratio  $a : b$ , the first term  $a$  is called antecedent.

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.

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Q10. 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.

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