

Variations

Sr	Questions	Answers Choice
1	If $a : b = c : d$, then $b : a = d : c$ is called theorem of:	A. Invertendo B. Alternando C. Dividendo D. Componendo
2	In $a : b :: b : c$, where c is called:	A. Fourth proportional B. Meanproportional C. Thirdproportional D. Continuedproportional
3	The third proportional of x^2 and y^2 is:	B. $x^2 ² ^y ²$
4	In continued proportion $a:b = b:c$, $ac = b^2$, b is said to be _____ proportional between a and c :	A. Third B. Fourth C. Means D. None of these
5	If one quantity increases and other decreases, the variation is:	A. Inverse B. Direct C. Indirect D. Equal
6	If $a : b = c : d$, then $a - b : b = c - d : d$ is called theorem of :	A. Componendo B. Dividendo C. (a) & (b) D. Invertendo
7	If 12, p and 3 are in continued proportion, then $p =$	
8	If $y = 8$ and $x = 4$, then $k = xy$, we get $k =$	A. 12 B. 32 C. 84 D. 114
9	In a ratio $x:y$, y is called:	A. Relation B. Antecedent C. Consequent D. None of these
10	The fourth proportional w of $x : y :: v : w$ is:	C. xv
11	The important thing in ratio is:	A. Value of the elements B. Orderof the elements C. Units of the elements D. Quantityof the elements
12	Product of extremes = product of _____.	A. Consequents B. Antecedent C. Ratios D. Means
13	Question Image	
14	In $a : b :: b : c$, b is called:	A. Meanproportional B. Thirdproportional C. Continuedproportional D. Fourthproportional
15	In proportion $a:b::c:d$, b and c are called:	A. Means B. Extremes C. Third proportional D. None of these
16	Question Image	

17	In a proportion $a:b:c:d$, and d are called:	A. Means B. Extremes C. Third proportional D. None of these
18	In continued proportional $a:b = b:c$, c is said to be _____ proportional to a and b :	A. Third B. Fourth C. Means D. None of these
19	In a ratio $a:b$, a is called:	A. Relation B. Antecedent C. Consequent D. None of these
20	If $a : b = c : d$, then $a + b : b = c + d : d$ is called theorem of :	A. Alternando B. Invertendo C. Dividendo D. Componendo