

## Variations

Sr	Questions	Answers Choice
1	A proportion is a statement which expressed as an equivalence of:	A. Four ratios B. Threeratios C. Tworatios D. Oneratio
2	In proportion $7:4::p:8$ , $p =$ _____:	A. 14 B. $7/2$ D. -14
3	In $a : b :: b : c$ , $b$ is called:	A. Meanproportional B. Thirdproportional C. Continuedproportional D. Fourthproportional
4	A ratio has:	A. No units B. Oneunit C. Twounits D. Threeunits
5	Product of extremes = product of _____.	A. Consequents B. Antecedent C. Ratios D. Means
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. <span style="font-size: 10.5pt; line-height: 107%; font-family: Arial, &amp;quot;sans-serif&amp;quot;; background-image: initial; background-position: initial; background-size: initial; background-repeat: initial; background-attachment: initial; background-origin: initial; background-clip: initial;">Invertendo</span>
7	If $y = 8$ and $x = 4$ , then $k = xy$ , we get $k =$	A. 12 B. 32 C. 84 D. 114
8	In $a : b :: b : c$ , where $c$ is called:	A. Fourth proportional B. Meanproportional C. Thirdproportional D. Continuedproportional
9	If $a : b = c : d$ , then $a + b : b = c + d : d$ is called theorem of :	A. Alternando B. <span style="font-size: 10.5pt; line-height: 107%; font-family: Arial, &amp;quot;sans-serif&amp;quot;; background-image: initial; background-position: initial; background-size: initial; background-repeat: initial; background-attachment: initial; background-origin: initial; background-clip: initial;">Invertendo</span> C. Dividendo D. Componendo
10	In ratio $a : b$ , the first term is called:	A. Extremes B. Means C. Consequent D. Antecedent
11	If 12, $p$ and 3 are in continued proportion, then $p =$	
12	The third proportional of $x^2$ and $y^2$ is:	B. $x^2 <sup>2</sup> y <sup>2</sup>$
13	If one quantity increases and other decreases, the variation is:	A. Inverse B. Direct C. Indirect D. Equal

14	If $a:b = x:y$ , then invertendo property is:	
15	Question Image <input type="text"/>	<p>A. <math>u = wk^{\sup&gt;2}/\sup&gt;</math></p> <p>B. <math>u = vk^{\sup&gt;2}/\sup&gt;</math></p> <p>C. <math>u = w^{\sup&gt;2}/\sup&gt;k</math></p> <p>D. <math>u = v^{\sup&gt;2}/\sup&gt;k</math></p>
16	Find x in proportion 4:x:5:15	D. 12
17	In a proposition $a:b::c:d$ , a and d are called:	<p>A. Means</p> <p>B. Extremes</p> <p>C. Fourth proportional</p> <p>D. None</p>
18	In a ratio $x:y$ , y is called:	<p>A. Relation</p> <p>B. Antecedent</p> <p>C. Consequent</p> <p>D. None of these</p>
19	K is known as:	<p>A. Sign of proportionality</p> <p>B. Extremes</p> <p>C. Constant of proportionality</p> <p>D. Means</p>
20	In a ratio $a:b$ , a is called:	<p>A. Relation</p> <p>B. Antecedent</p> <p>C. Consequent</p> <p>D. None of these</p>