

## Variations

Sr	Questions	Answers Choice
1	The fourth proportional w of $x : y :: v : w$ is:	C. $xyv$
2	A relation between two quantities of same kind is called:	A. Proportion B. Ratio C. Variation D. Percentage
3	In a ratio $x:y$ , $y$ is called:	A. Relation B. Antecedent C. Consequent D. None of these
4	Question Image	A. $u = v^2$ B. $u = kv^2$ C. $uv^2 = k$ D. $uv^2 = 1$
5	$K$ is known as:	A. Sign of proportionality B. Extremes C. Constant of proportionality D. Means
6	The third proportional of $x^2$ and $y^2$ is:	B. $x^2y^2$
7	If $a : b = c : d$ , then $b : a = d : c$ is called theorem of:	A. Invertendo B. Alternando C. Dividendo D. Componendo
8	In proportion $a:b::c:d$ , $b$ and $c$ are called:	A. Means B. Extremes C. Third proportional D. None of these
9	In a ratio $a:b$ , $a$ is called:	A. Relation B. Antecedent C. Consequent D. None of these
10	The ratio of 1km to 600m is:	A. 1 : 6 B. 5 : 3 C. 3 : 2 D. 2 : 1
11	If $a:b = x:y$ , then alternando property is:	A. Third B. Fourth C. Means D. None of these
12	In continued proportion $a:b = b:c$ , $ac = b^2$ , $b$ is said to be _____ proportional between $a$ and $c$ :	A. Thirdproportional B. Fourthproportional C. Meanproportional D. Continuedproportional
13	In $a : b :: c : d$ , $d$ is called:	A. Thirdproportional B. Fourthproportional C. Meanproportional D. Continuedproportional
14	The ratio of $a$ and $b$ is written as:	B. $a : : b$ C. $a : b$ D. $a = b$
15	If $y = 8$ and $x = 4$ , then $k = xy$ , we get $k =$	A. 12 B. 32 C. 84 D. 114
16	If $Y$ is directly proportional to $x$ it can be written as:	C. $x = y$ D. $y : x$
17	In $a : b :: b : c$ , where $c$ is called:	A. Fourth proportional B. Meanproportional C. Thirdproportional D. Continuedproportional
		A. Means

18	In a proportion $a : b :: c : d$ , $b$ and $c$ are called:	B. Extremes C. Fourth proportional D. None of these
19	If $y = kx$ , $x = 7$ and $y = 6$ , then $k =$	A. 42 C. 13
20	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, "sans-serif"; background-image: initial; background-position: initial; background-size: initial; background-repeat: initial; background-attachment: initial; background-origin: initial; background-clip: initial;'>Invertendo</span>