

Mathematics 10th Class English Medium Unit 3 Online Test

Sr	Questions	Answers Choice
1	In ratio $a : b$, the first term is called:	A. Extremes B. Means C. Consequent D. Antecedent
2	If one quantity increases and other decreases, the variation is:	A. Inverse B. Direct C. Indirect D. Equal
3	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
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	Question Image	
6	In a ratio $x:y$, y is called:	A. Relation B. Antecedent C. Consequent D. None of these
7	If $a : b = c : d$, then $a : c = b : d$ is called theorem of:	A. Invertendo B. Componendo C. Dividendo D. Alternando
8	Find x in proportion $4:x::5:15$	D. 12
9	If $a : b = c : d$, then $a + b : b = c + d : d$ is called theorem of :	A. Alternando B. Invertendo C. Dividendo D. Componendo
10	In proportion $a:b::c:d$, b and c are called:	A. Means B. Extremes C. Third proportional D. None of these
		A. Componendo-Dividendo B. Invertendo

11	If $a : b = c : d$, then $a + b : a - b = c + d : c - d$ is called theorem of:	<div>"sans-serif"; background-image: initial; background-position: initial; background-size: initial; background-repeat: initial; background-attachment: initial; background-origin: initial; background-clip: initial;">Invertendo C. Dividendo D. Componendo </div>
12	Question Image	<div>A. $u = w \times \frac{2}{k}$ B. $u = v \times \frac{2}{k}$ C. $u = w \times \frac{2}{k}$ D. $u = v \times \frac{2}{k}$</div>
13	In $a : b :: b : c$, b is called:	<div>A. Meanproportional B. Thirdproportional C. Continuedproportional D. Fourthproportional</div>
14	Question Image	
15	In $a : b :: c : d$, d is called:	<div>A. Thirdproportional B. Fourthproportional C. Meanproportional D. Continuedproportional</div>
16	In a ratio a:b, a is called:	<div>A. Relation B. Antecedent C. Consequent D. None of these</div>
17	K is known as:	<div>A. Sign of proportionality B. Extremes C. Constant of proportionality D. Means</div>
18	A ratio has:	<div>A. No units B. Oneunit C. Twounits D. Threeunits</div>
19	A proportion is a statement which expressed as an equivalence of:	<div>A. Four ratios B. Threeratios C. Tworatios D. Oneratio</div>
20	If $y = kx$, $x = 7$ and $y = 6$, then $k =$	<div>A. 42 C. 13</div>
21	In a proposition a:b::c:d, a and d are called:	<div>A. Means B. Extremes C. Fourth proportional D. None</div>
22	Variation has	<div>A. Two types B. Three types C. Four types D. Five type</div>
23	The important thing in ratio is:	<div>A. Value of the elements B. Orderof the elements C. Unitsof the elements D. Quantityof the elements</div>
24	If $a : b = c : d$, then $b : a = d : c$ is called theorem of:	<div>A. Invertendo B. Alternando C. Dividendo D. Componendo</div>
25	Question Image	<div>A. $u = v \times \frac{2}{k}$ B. $u = kv \times \frac{2}{k}$ C. $uv \times \frac{2}{k} = k$ D. $uv \times \frac{2}{k} = 1$</div>
26	If 12, p and 3 are in continued proportion, then p =	
27	In proportion $7:4::p:8$, $p =$ _____:	<div>A. 14 B. 7/2 D. -14</div>
28	If Y is directly proportional to x it can be written as:	<div>C. $x = y$ D. $y : x$</div>
29	The fourth proportional w of $x : y :: v : w$ is:	<div>C. xyv</div> <div>A. Fourth proportional B. Meanproportional</div>

30	In $a : b :: b : c$, where c is called:	B. Meanproportional C. Thirdproportional D. Continuedproportional
31	The third proportional of x^2 and y^2 is:	B. $x^2 > y^2$
32	In a proportion $a : b :: c : d$, b and c are called:	A. Means B. Extremes C. Fourth proportional D. None of these
33	If $a:b = x:y$, then invertendo property is:	
34	Product of extremes = product of _____.	A. Consequents B. Antecedent C. Ratios D. Means
35	The ratio of 1km to 600m is:	A. 1 : 6 B. 5 : 3 C. 3 : 2 D. 2 : 1
36	A relation between two quantities of same kind is called:	A. Proportion B. Ratio C. Variation D. Percentage
37	The ratio of a and b is written as:	B. $a :: b$ C. $a : b$ D. $a = b$
38	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
39	If $y = 8$ and $x = 4$, then $k = xy$, we get $k =$	A. 12 B. 32 C. 84 D. 114
40	In a proportion $a:b:c:d$, and d are called:	A. Means B. Extremes C. Third proportional D. None of these
41	If $a:b = x:y$, then alternando property is:	