

10th Class Math English Medium Online Test For Full Book

Sr	Questions	Answers Choice
1	A single fraction which is the simplified form of two or more than two fractions is called:	<p>A. $\frac{a}{b}$</p> <p>B. $\frac{a}{b}$</p> <p>C. $\frac{a}{b}$</p> <p>D. $\frac{a}{b}$</p>
2	In proportion a:b::c:d, b and c are called:	<p>A. Means</p> <p>B. Extremes</p> <p>C. Third proportional</p> <p>D. None of these</p>
3	Question Image <input type="text"/>	<p>A. $\frac{a}{b}$</p> <p>B. $\frac{a}{b}$</p> <p>C. $\frac{a}{b}$</p> <p>D. $\frac{a}{b}$</p>
4	$1 + \tan^2 \theta = \dots\dots\dots$	<p>A. $\sin^2 \theta$</p> <p>B. $\cos^2 \theta$</p> <p>C. $\sec^2 \theta$</p> <p>D. $\csc^2 \theta$</p>
5	The set having only one element is called:	<p>A. Null set</p> <p>B. Power set</p> <p>C. Singleton set</p> <p>D. Subset</p>
6	Sum of deviations of the variable X from its mean is always _____	<p>A. Zero</p> <p>B. One</p> <p>C. Same</p> <p>D. None</p>
7	Perpendicular from the centre of a circle on a _____ bisects it:	<p>A. Segment</p> <p>B. Arc</p> <p>C. Sector</p> <p>D. Chord</p>
8	If $a:b = x:y$, then alternando property is:	
9	The common end point of arms of an angle is known as:	<p>A. Angles</p> <p>B. Arms</p> <p>C. Vertex</p> <p>D. Rays</p>
10	$1 + \cot^2 \theta = \dots\dots\dots$	<p>A. $\tan^2 \theta$</p> <p>B. $\operatorname{cosec}^2 \theta$</p> <p>C. $\cot^2 \theta$</p> <p>D. $\sec^2 \theta$</p>
		A. {0,3,4}

11	The domain of $R = \{(0,2),(2,3),(3,3)(3,4)\}$ is.	<p>B. $\{0,2,3\}$ C. $\{0,2,4\}$ D. $\{2,3,4\}$</p>
12	Formula to determine the size of a class is:	<p>A. $X_{\text{max}} - X_{\text{min}}$ B. $X_{\text{max}} + X_{\text{min}}$ C. $\text{Range}/\text{number of groups}$ D. $\text{number of groups}/\text{Range}$</p>
13	Question Image <input type="text"/>	<p>A. $u = v^2$ B. $u = kv^2$ C. $uv^2 = k$ D. $uv^2 = 1$</p>
14	In a cumulative frequency Polygon frequencies are plotted against:	<p>A. Mid points B. Upper class boundaries C. Class limits</p>
15	A complete circle is divided into:	<p>A. 90° B. 180° C. 270° D. 360°</p>
16	Question Image <input type="text"/>	<p>A. 4 B. 3 C. 1 D. 0</p>
17	$\text{Cot}\theta = \underline{\hspace{2cm}}$	<p>A. $\text{Sin}\theta/\text{cos}\theta$ B. $1/\text{cos}\theta$ C. $\text{Cos}\theta/\text{Sin}\theta$ D. $1/\text{sin}\theta$</p>
18	To resolve rational fraction, multiply both sides by:	<p>A. H.C.F B. An even, number C. L.C.M D. An odd number</p>
19	In a proportion $a:b:c:d$, and d are called:	<p>A. Means B. Extremes C. Third proportional D. None of these</p>
20	The factors of $3x^2-7x-20=0$ are:	<p>A. $(x-4)(3x+5)$ B. $(x+4)(3x-5)$ C. $(x-4)(3x-5)$ D. $(x+4)(3x+5)$</p>