

10th Class Math English Medium Online Test For Full Book

Sr	Questions	Answers Choice
1	If $a : b = c : d$, then $a - b : b = c - d : d$ is called theorem of :	A. Componendo B. Dividendo C. $(a + b) : (a - b) = (c + d) : (c - d)$ D. $a^2 + b^2 = c^2 + d^2$
2	Which is one is a quadrant angel?	A. 30° B. 45° C. 60° D. 90°
3	Question Image	A. $u = wk^{2/3}$ B. $u = vk^{2/3}$ C. $u = w^{2/3}k$ D. $u = v^{2/3}k$
4	The nth root of product of 'n' number of values is called:	A. Arithmetic mean B. Geometric mean C. Harmonic mean D. Standard derivation
5	If set has 3 and B has 2 elements then number binary relations of $A \times B$.	A. 2^2 B. 2^8 C. 2^6 D. 2^3
6	The third proportional of x^2 and y^2 is:	A. x^2y^2 B. x^2y^2
7	The portion of a circle bounded by an arc and a chord is known as:	A. Diameter of the circle B. Radius of the circle C. Chord of the circle D. Segment of the circle
8	The circumference of a circle is:	A. $2\pi r$ B. $2\pi d$ C. πr^2 D. πd^2
9	$\text{Cosec}^2 \theta - \text{Cot}^2 \theta =$ _____	A. -1 B. 1 C. 0 D. $\tan \theta$
10	In a ratio $a:b$, a is called:	A. Relation B. Antecedent C. Consequent D. None of these
11	A set $Q = \{a/b \mid a, b \in \mathbb{Z} \wedge b \neq 0\}$ is called a set of.	A. Whole numbers B. Natural numbers C. Irrational numbers D. Rational numbers
12	The line that passes through centre and touches a circle at two points is called:	A. Diameter B. Radius C. Arc D. Circles
13	The positive square root of mean of the squared deviation of $X, \{1=1,2,3,\dots,n\}$ observations from their arithmetic mean is called.	A. Harmonic mean B. Range C. Standard deviation D. Variance
14	In which quadrant only $\cos \theta$ and $\sec \theta$ are positive?	A. I B. II C. III D. IV
		A. I B. II C. III D. IV

15 In which quadrant 0 lie when $\cos\theta < 0$. $\tan\theta < 0$?
B. II
C. III
D. IV

16 Mean is affected by change in
A. Place
B. Scale
C. Rate
D. None of these

17 The important thing in ratio is:
A. Value of the elements
B. Order of the elements
C. Units of the elements
D. Quantity of the elements

18 The length of a tangent to a circle is from the given point to the point of:
A. start point;
B. end points;
C. contact;
D. collinear

19 The boundary of a circle is called:
A. Circumference
B. Arc
C. Line
D. Area

20 The Range of R is, if $R = \{(1,3), (2,2), (3,1), (4,4)\}$.
A. $\{1,2,4\}$
B. $\{3,2,4\}$
C. $\{1,2,3,4\}$
D. $\{1,3,4\}$