

Mathematics Fsc Part 1 Online Test

Sr	Questions	Answers Choice
1	$r_1 r_2 r_3 =$	D. abc
2	The in-radius r of a triangle is given by:	
3	The circum-radius R of a triangle is given by:	
4	With usual notations for triangle R equals:	
5	A circle passing through the vertices of a triangle is known as:	
6	A circle drawn inside a triangle and touching its sides is known as:	
7	A circle which touches one side of a triangle externally and the other two internally is known as:	
8	If $2s = a + b + c$, where a, b, c are the sides of a triangle ABC, then area of triangle ABC is given by:	
9	When two sides and included angle is given, then area of triangle is given by:	D. all of these
10	In triangle the length of the sides are 7, $4\sqrt{3}$ and $\sqrt{13}$. Then the smallest angle is:	A. 15° B. 30° C. 60° D. 45°
11	The lengths of the sides of a triangle are proportional to the sines of the opposite angles to the sides. This is known as:	A. The law of sines B. The law of cosines C. The law of tangents D. The fundamental law
12	If $2s = a + b + c$, then in any triangle ABC:	D. none of these
13	In $2s = a + b + c$, then in any triangle ABC:	D. all of above
14	If $2s = a + b + c$, then in any triangle ABC:	D. all of these
15	Question Image	A. right angled B. equilateral C. isosceles D. obtuse angled
16	In any triangle ABC, law of tangents is:	D. all of these
17	In a triangle ABC $b = \sqrt{3}$, $c = 1$, $\alpha = 30^\circ$ then $a =$:	A. 2 B. 1 C. 3 D. -1
18	In a triangle ABC if $a^2 - b^2 + c^2 = ac$ then $\angle B =$	
19	In any triangle ABC, law of cosines is:	
20	In any triangle ABC, law of sines is:	