

CSS General Abilities Chapter 3 Online Entry Test

Qr.	Questions	Answers Choice
Sr	QUESTIONS	
1	In a \triangle ABC, if 2 \angle A = 3 \angle B = 6 \angle C, then \angle A is equal to	A. 60 ^o B. 30 ^o C. 90 ^o D. 120 ^o
2	Question Image	A. BC &It CA &It CD B. BC > CA > CA C. BC &It CA, CA > CD D. BC > CA, CA &It CD
3	Question Image	A. 120 ^o B. 52 ^o C. 78 ^o D. 130 ^o
4	The lengths of the sides of triangle are 3, 5, and x . How many possible values of x are there, if x must be an integer ?	A. 1 B. 5 C. 7 D. 8
5	Question Image	A. 14.00 B. 14.09 C. 14.21 D. 15.62
6	If one side of Δ ABC is 5, what is the smallest integer that could be the perimeter of the triangle ?	A. 8 B. 10 C. 11 D. 12
7	If the difference between the measures of the two acute angles of a right triangle is 20° , what is the measure, in degrees, of the smaller one ?	A. 20 ^o B. 35 ^o C. 45 ^o D. 55 ^o
8	If the measures of the angels of a triangle are in the ratio of 1 : 2 : 3, what is the ratio of the length of the smallest side of the triangle to the length of the longest side of the triangle?	A. 1:2 B. 1:3 C. 1:5 D. 2:3
9	Question Image	A. 5√2 B. 10 C. 11 D. 13
10	Question Image	A. y = 60 - 2x B. y = 2x C. x + y = 90 D. y = 180 - 3x
11	What is the area of an equilateral triangle whose altitude is 6?	A. 18 B. 12√3 C. 18√3 D. 36
12	Question Image	A. 60 B. 90 C. 105 D. 120
13	Two sides of a right triangle are 15 and 17. Which of the following could be the length of the third side ? i. 8 ii. 19 iii. $\sqrt{514}$	A. 1 only B. 2 only C. 1 and 2 D. 1 and 3
14	Question Image	A. 100 B. 110 C. 120 D. 130
15	Question Image	A. 20 B. 30 C. 40

		D. 50
16	In ΔABC, the measure of the exterior angles at vertices A and B are 145° and 125°, respectively. Which of the following statement about ΔABC above must be true. i. The triangle is a right triangle. ii. The triangle is an isosceles triangle. iii. The triangle is a scalene triangle.	A. None B. I only C. III only D. I and III only
7	Question Image	A. a = 30 ^o , b = 40 ^o B. a = 73 ^o , b = 75 ^o C. a = 100 ^o , b = 0 ^o D. None of these
8	Question Image	A. 30 ^o B. 40 ^o C. 50 ^o D. None of these
9	Question Image	A. 75 B. 90 C. 100 D. 105
0	Question Image	A. 15 B. 30 C. 45 D. 60