

CSS General Abilities Topic 3 Geometry

Sr	Questions	Answers Choice
1	The length of a rectangle is 5 more than the side of a square, and the width of the rectangle is 5 less than the side of square. If the area of the square is 45, what is the area of the rectangle ?	A. 20 B. 25 C. 45 D. 50 E. 70
2	If one side of ΔABC is 5, what is the smallest integer that could be the perimeter of the triangle ?	A. 8 B. 10 C. 11 D. 12
3	How many sides does a polygon have if the measure of each interior angle is 8 times the measure of each exterior angle ?	A. 8 B. 9 C. 10 D. 12 E. 18
4	Question Image <input type="text"/>	A. 8 B. 20 C. 8π D. 40π
5	In quadrilateral WXYZ, the measure of angle Z is 1 more than twice the average of the measures of the three angles. What is the measure of angle Z ?	A. 100 B. 105 C. 120 D. 135 E. 150
6	A cyclic quadrilateral whose opposite angles are equal, is a :	A. parallelogram but not a rhombus B. rhombus C. rectangle D. square but not a rectangle
7	A, B, C are the three angles of a Δ . If $A - B = 15^\circ$ and $B - C = 30^\circ$, then $\angle A$ is equal to	A. 65° B. 80° C. 75° D. 85°
8	Question Image <input type="text"/>	A. 14.00 B. 14.09 C. 14.21 D. 15.62
9	Question Image <input type="text"/>	A. $BC < CA < CD$ B. $BC > CA > CA$ C. $BC < CA, CA > CD$ D. $BC > CA, CA < CD$
10	What is the circumference of a circle whose area is 100π ?	A. 10 B. 20 C. 10π D. 20π
11	Question Image <input type="text"/>	A. 100 B. 110 C. 120 D. 130
12	What is the area of a circle whose circumference is $\pi/2$?	A. $\pi/16$ B. $\pi/4$ C. $\pi/2$ D. π
13	Question Image <input type="text"/>	A. 40° B. 60° C. 30° D. 20°
14	An angle is equal to one-third of its supplement. Its measure is equal to	A. 40° B. 50° C. 45° D. 55°
		A. 1.5 -

15	Question Image	<p>B. 3 C. 2 D. 3.6</p>
16	Question Image	<p>A. $\angle A + 180^\circ$ B. $180^\circ - \angle A$ C. $\frac{1}{2} \angle BAC$ D. $\angle A + 90^\circ$</p>
17	What is the area of a circle that is inscribed in a square of area ?	<p>A. $\pi/4$ B. $\pi/2$ C. π D. $\pi\sqrt{2}$</p>
18	In circle of radius 5 cm, AB and AC are two equal chords such that AB = AC = 6 cm. What is the length of the chord BC ?	<p>A. 9.6 cm B. 11 cm C. 12 cm D. 9 cm</p>
19	Question Image	<p>A. 47 B. 74 C. 90 D. 106</p>
20	If A is the area and C is the circumference of a circle, which of the following is an expression for C in terms of A ?	<p>A. $2\sqrt{A}$ B. $2\pi/\sqrt{A}$ C. $2\sqrt{A/\pi}$ D. $2\sqrt{\pi A}$</p>