CSS General Abilities Topic 3 Geometry

Sr	Questions	Answers Choice
1	Question Image	A. 1.5 B. 3 C. 2 D. 3.6
2	Find the length of the longer diagonal of a parallelogram if the sides are 6 inches and 8 inches and the smaller angle is 60°.	A. 8 B. 11 C. 12 D. 7
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	An angle is equal to one-third of its supplement. Its measure is equal to	A. 40° B. 50° C. 45° D. 55°
5	Question Image	A. 45°, 55°, 80° B. 45°, 60°, 75° C. 45°, 65°, 70° D. None of these
6	Question Image	A. y = 60 - 2x B. y = 2x C. x + y = 90 D. y = 180 - 3x
7	Question Image	A. 60 B. 90 C. 105 D. 120
8	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
9	Question Image	A. 4 cm, 7 cm and 3 cm B. 7 cm, 5 cm and 2 cm C. 5 cm, 4 cm and 3 cm D. 4 cm, 5 cm and 2 cm
10	Question Image	A. $5\sqrt{2}$ B. 10 C. 11 D. 13
11	The sides of a triangle are in a ratio of 4 : 5 : 6. The smallest angle is	A. 82° B. 69° C. 56° D. 41°
12	Question Image	A. 50° B. 90° C. 100° D. 120°
13	Question Image	A. 135° B. 125° C. 115° D. 110°
14	What is the area of an equilateral triangle whose altitude is 6 ?	A. 18 B. $12\sqrt{3}$ C. $18\sqrt{3}$

D. 36

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15 The complement of an angle exceeds the angle by 60°. Then the angle is equal to

A. 25°
B. 30°
C. 15°
D. 35°

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16 Question Image

A. 19 + 5 √2
B. 28
C. 17 + √185
D. 32

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17 Question Image

A. 1.5
B. 1.75
C. 3
D. 2√2
E. 3√2

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18 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

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19 Question Image

A. 180 cm2
B. 240 cm2
C. 120 cm2
D. 150 cm2

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20 Question Image

A. 270°
B. 300°
C. 360°
D. 330°