

CSS General Abilities Topic 3 Geometry

Sr	Questions	Answers Choice
1		A. 30 B. 36 C. 45 D. 54
2	An angle is equal to one-third of its supplement. Its measure is equal to	A. 40° B. 50° C. 45° D. 55°
3	A 5×12 rectangle is inscribed in a circle. What is the radius of the circle ?	A. 6.5 B. 7 C. 8.5 D. 13
4	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 ?	A. $2\sqrt{A}$ B. $2\pi\sqrt{A}$ C. $2\sqrt{A}\pi$ D. $2\sqrt{\pi A}$
5		A. 60° B. 65° C. 75° D. 70°
6		A. 360 B. 540 C. 720 D. 900 E. 1080
7		A. 12 B. 18 C. 12π D. 30π
8	If the angles of a five-sided polygon are in the ratio of $2 : 3 : 3 : 5 : 5$, what is the measure of the smallest angle ?	A. 20 B. 40 C. 60 D. 80 E. 90
9	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
10	Find the measure of an angle, if six times its complement is 12° less than twice its supplement.	A. 48° B. 96° C. 24° D. 58°
11		A. 15.4 B. 48.6 C. 71.4 D. 93.7
12		A. 90° B. 75° C. 80° D. 110°
13	If the length of a rectangle is 4 times its width, and if its area is 144, what is the perimeter ?	A. 6 B. 24 C. 30 D. 60 E. 96
14		A. $(a + b + c) = 180^\circ$ B. $2a = 2b = c$ C. $a + b = 180^\circ - c$ D. $a + b = c$
		A. 100 B. ...

- 15 B. 110
C. 120
D. 130
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- 16 A. 8
B. 20
C. 8π
D. 20π
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- 17 The area of ΔABC , = $24\sqrt{3}$, side $a = 6$, and side $b = 16$. The value of $\angle C$ is
A. 30°
B. 30° or 150°
C. 60°
D. 60° or 120°
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- 18 A. 24
B. 32
C. 40
D. 48
E. 60
-
- 19 A. 40°
B. 50°
C. 80°
D. 100°
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- 20 A. $y = 60 - 2x$
B. $y = 2x$
C. $x + y = 90$
D. $y = 180 - 3x$