

Quantitative Reasoning Geometry Test

Sr	Questions	Answers Choice
1	Question Image	A. 55 B. 70 C. 110 D. 125
2	Question Image	A. 780 B. 585 C. 1170 D. 540
3	A rectangle is 16 cm long and 10 cm wide. If the length is reduced by k cm and its width is increased also by k cm so as to make it a square then its area changes by	A. 169 B. 256 C. 100 D. 9 E. None of the above
4	Question Image	A. b B. b-180 C. 90-b D. 180-b
5	If the radius of a circle is increased by 20% then the area is increased by	A. 44% B. 120% C. 144% D. 40%
6	A rectangular lot 50 feet by 100 feet is surrounded on all sides by a concrete walk 5 feet wide. Find the number of square feet in the surface of the walk.	A. 1600 B. 5250 C. 5500 D. 6100
7	Question Image	A. 50 m B. 64 m C. 72 m D. 84 m
8	Question Image	A. $41\sqrt{3}$ B. $65\sqrt{3}$ C. $115\sqrt{3}$ D. $106\sqrt{3}$
9	A 4 cm cube is cut into 1 cm cubes. What is the percentage increase in the surface area after such cutting ?	A. 4% B. 300% C. 75% D. 400%
10	Question Image	A. a-180 B. 2a-180 C. 180-2a D. 180-b
11	Question Image	A. b-180 B. b-90 C. $180-\frac{a}{2}$ D. 180-a
12	Question Image	A. 40 B. 50 C. 120 D. 130
13	Question Image	A. 40 B. 50 C. 90 D. 130
14	Question Image	A. 20 B. 25 C. 40 D. 50
15	Question Image	A. a B. 90-a C. $180-\frac{a}{2}$ D. 180

16	If the area of two circles are in the ratio 169 : 196 then ratio of their radii is	A. 13 : 11 B. 10 : 13 C. 14 : 13 D. 13 : 14
17	An angle is 30° more than one-half its complement. Find the angle.	A. 20° B. 30° C. 50° D. 60°
18	Question Image	A. 5 B. 10 C. 110 D. 125
19	Question Image	A. 15 B. 30 C. 45 D. 72
20	Question Image	A. 24 B. $12\sqrt{2}$ C. $16\sqrt{2}$ D. 48
21	Question Image	A. 30 B. 39 C. 80 D. 78
22	If the sum of the interior angles of a regular polygon measures up to 1440 degrees, how many sides does the polygon have ?	A. 10 sides B. 8 sides C. 12 sides D. 9 sides
23	Question Image	A. 4π B. 18π C. 28π D. 32π