

## Quantitative Reasoning Geometry Test For NAT

Sr	Questions	Answers Choice
1	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
2	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 15 B. 30 C. 45 D. 72
3	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 20 B. 25 C. 40 D. 50
4	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. b B. b-180 C. 90-b D. 180-b
5	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
6	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $4\pi$ B. $18\pi$ C. $28\pi$ D. $32\pi$
7	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. b-180 B. b-90 C. $180-a/2$ D. 180-a
8	If the radius of a circle is increased by 20% then the area is increased by	A. 44% B. 120% C. 144% D. 40%
9	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 40 B. 50 C. 120 D. 130
10	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
11	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 5 B. 10 C. 110 D. 125
12	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 24 B. $12\sqrt{2}$ C. $16\sqrt{2}$ D. 48
13	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 55 B. 70 C. 110 D. 125
14	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 30 B. 39 C. 80 D. 78
15	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. a-180 B. 2a-180 C. $180-2a$ D. 180-b

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16	Question Image <input type="text"/>	A. 40 B. 50 C. 90 D. 130
17	Question Image <input type="text"/>	A. 780 B. 585 C. 1170 D. 540
18	An angle is $30^\circ$ more than one-half its complement. Find the angle.	A. $20^\circ$ B. $30^\circ$ C. $50^\circ$ D. $60^\circ$
19	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%
20	Question Image <input type="text"/>	A. a B. $90-a$ C. $180-a/2$ D. $180-a$

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