

Quantitative Reasoning Geometry Test For NAT

Sr	Questions	Answers Choice
1	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. a B. 90-a C. 180-a/2 D. 180-a
2	An angle is 30° more than one-half its complement. Find the angle.	A. 20° B. 30° C. 50° D. 60°
3	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
4	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%
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 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
7	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 50 m B. 64 m C. 72 m D. 84 m
8	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 20 B. 25 C. 40 D. 50
9	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
10	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 5 B. 10 C. 110 D. 125
11	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. b-180 B. b-90 C. 180-a/2 D. 180-a
12	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 4π B. 18π C. 28π D. 32π
13	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. a-180 B. 2a-180 C. 180-2a D. 180-b
14	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 55 B. 70 C. 110 D. 125
15	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 40 B. 50 C. 90 D. 100

D. 130

16

Question Image

- A. 41°
- B. 65°
- C. 115°
- D. 106°

17

Question Image

- A. b
- B. $b-180$
- C. $90-b$
- D. $180-b$

18

Question Image

- A. 780
- B. 585
- C. 1170
- D. 540

19

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

20

Question Image

- A. 15
- B. 30
- C. 45
- D. 72