

Quantitative Reasoning Geometry Test For NAT

Sr	Questions	Answers Choice
1	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 41° B. 65° C. 115° D. 106°
2	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. b B. b-180 C. 90-b D. 180-b
3	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
4	An angle is 30° more than one-half its complement. Find the angle.	A. 20° B. 30° C. 50° D. 60°
5	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. a-180 B. 2a-180 C. 180-2a D. 180-b
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. 15 B. 30 C. 45 D. 72
8	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
9	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 4π B. 18π C. 28π D. 32π
10	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 20 B. 25 C. 40 D. 50
11	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. a B. 90-a C. $180-\frac{a}{2}$ D. 180-a
12	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 30 B. 39 C. 80 D. 78
13	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 50 m B. 64 m C. 72 m D. 84 m
14	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 40 B. 50 C. 120 D. 130
15	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. 14 sides

D. 9 sides

16

Question Image

- A. $b-180$
- B. $b-90$
- C. $180-a/2$
- D. $180-a$

17

Question Image

- A. 24
- B. $12\sqrt{2}$
- C. $16\sqrt{2}$
- D. 48

18

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%

19

Question Image

- A. 5
- B. 10
- C. 110
- D. 125

20

Question Image

- A. 40
- B. 50
- C. 90
- D. 130