

## Quantitative Reasoning Geometry Test For NAT

Sr	Questions	Answers Choice
1	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $41^{\circ}$ B. $65^{\circ}$ C. $115^{\circ}$ D. $106^{\circ}$
2	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 55 B. 70 C. 110 D. 125
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	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 5 B. 10 C. 110 D. 125
5	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 15 B. 30 C. 45 D. 72
6	If the radius of a circle is increased by 20% then the area is increased by	A. 44% B. 120% C. 144% D. 40%
7	An angle is $30^{\circ}$ more than one-half its complement. Find the angle.	A. $20^{\circ}$ B. $30^{\circ}$ C. $50^{\circ}$ D. $60^{\circ}$
8	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 20 B. 25 C. 40 D. 50
9	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
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	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%
12	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 780 B. 585 C. 1170 D. 540
13	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. b B. b-180 C. 90-b D. 180-b
14	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
15	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 24 B. $12\sqrt{2}$ C. $16\sqrt{2}$ D. 12

D. 48

16

Question Image

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

17

Question Image

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

18

Question Image

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

19

Question Image

- A. 40
- B. 50
- C. 120
- D. 130

20

Question Image

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