

## Quantitative Reasoning Geometry Test For NAT

Sr	Questions	Answers Choice
1	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
2	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
3	Question Image	A. a-180 B. 2a-180 C. 180-2a D. 180-b
4	Question Image	A. 5 B. 10 C. 110 D. 125
5	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%
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	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
8	Question Image	A. 30 B. 39 C. 80 D. 78
9	Question Image	A. 780 B. 585 C. 1170 D. 540
10	Question Image	A. 55 B. 70 C. 110 D. 125
11	Question Image	A. 50 m B. 64 m C. 72 m D. 84 m
12	Question Image	A. 20 B. 25 C. 40 D. 50
13	Question Image	A. 15 B. 30 C. 45 D. 72
14	Question Image	A. $4\pi$ B. $18\pi$ C. $28\pi$ D. $32\pi$
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. 10 sides

16 Question Image

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

17 An angle is  $30^\circ$  more than one-half its complement. Find the angle.

- A.  $20^\circ$
- B.  $30^\circ$
- C.  $50^\circ$
- D.  $60^\circ$

18 Question Image

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

19 Question Image

- A.  $41^\circ$
- B.  $65^\circ$
- C.  $115^\circ$
- D.  $106^\circ$

20 Question Image

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