

## Quantitative Reasoning Geometry Test For NAT

Sr	Questions	Answers Choice
1	Question Image	A. 50 m B. 64 m C. 72 m D. 84 m
2	Question Image	A. 5 B. 10 C. 110 D. 125
3	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
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	Question Image	A. 24 B. $12\sqrt{2}$ C. $16\sqrt{2}$ D. 48
6	Question Image	A. 20 B. 25 C. 40 D. 50
7	Question Image	A. a B. $90-a$ C. $180-a/2$ D. $180-a$
8	Question Image	A. $41\sqrt{O}$ B. $65\sqrt{O}$ C. $115\sqrt{O}$ D. $106\sqrt{O}$
9	Question Image	A. 40 B. 50 C. 120 D. 130
10	Question Image	A. 30 B. 39 C. 80 D. 78
11	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
12	Question Image	A. $b-180$ B. $b-90$ C. $180-a/2$ D. $180-a$
13	An angle is $30^\circ$ more than one-half its complement. Find the angle.	A. $20^\circ$ B. $30^\circ$ C. $50^\circ$ D. $60^\circ$
14	Question Image	A. 55 B. 70 C. 110 D. 125
15	Question Image	A. $4\pi$ B. $18\pi$ C. $28\pi$ D. $32\pi$

16 If the radius of a circle is increased by 20% then the area is increased by

- A. 44%
- B. 120%
- C. 144%
- D. 40%

17 Question Image

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

18 Question Image

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

19 Question Image

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

20 Question Image

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