

## Quantitative Reasoning Geometry Test For NAT

Sr	Questions	Answers Choice
1	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 41 <sup>O</sup> B. 65 <sup>O</sup> C. 115 <sup>O</sup> D. 106 <sup>O</sup>
2	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 40 B. 50 C. 120 D. 130
3	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%
4	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 24 B. $12\sqrt{2}$ C. $16\sqrt{2}$ D. 48
5	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 55 B. 70 C. 110 D. 125
6	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 780 B. 585 C. 1170 D. 540
7	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 30 B. 39 C. 80 D. 78
8	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. a B. 90-a C. $180-a/2$ D. 180-a
9	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 5 B. 10 C. 110 D. 125
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	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. b B. b-180 C. 90-b D. 180-b
12	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. a-180 B. 2a-180 C. 180-2a D. 180-b
13	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
14	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
15	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

16 Question Image  A.  $4\pi$   
B.  $18\pi$   
C.  $28\pi$   
D.  $32\pi$

17 Question Image  A. 40  
B. 50  
C. 90  
D. 130

18 Question Image  A. 50 m  
B. 64 m  
C. 72 m  
D. 84 m

19 An angle is  $30^\circ$  more than one-half its complement. Find the angle.  
A.  $20^\circ$   
B.  $30^\circ$   
C.  $50^\circ$   
D.  $60^\circ$

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