

## Quantitative Reasoning Geometry Test For NAT

Sr	Questions	Answers Choice
1	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%
2	Question Image	A. 40 B. 50 C. 90 D. 130
3	Question Image	A. a B. 90-a C. 180-a/2 D. 180-a
4	Question Image	A. a-180 B. 2a-180 C. 180-2a D. 180-b
5	Question Image	A. 41 <sup>o</sup> B. 65 <sup>o</sup> C. 115 <sup>o</sup> D. 106 <sup>o</sup>
6	Question Image	A. 24 B. $12\sqrt{2}$ C. $16\sqrt{2}$ D. 48
7	Question Image	A. 780 B. 585 C. 1170 D. 540
8	If the radius of a circle is increased by 20% then the area is increased by	A. 44% B. 120% C. 144% D. 40%
9	An angle is $30^{\circ}$ more than one-half its complement. Find the angle.	A. $20^{\circ}$ B. $30^{\circ}$ C. $50^{\circ}$ D. $60^{\circ}$
10	Question Image	A. 20 B. 25 C. 40 D. 50
11	Question Image	A. b B. b-180 C. 90-b D. 180-b
12	Question Image	A. 55 B. 70 C. 110 D. 125
13	Question Image	A. 50 m B. 64 m C. 72 m D. 84 m
14	Question Image	A. $4\pi$ B. $18\pi$ C. $28\pi$ D. $32\pi$
15	Question Image	A. b-180 B. b-90 C. $180-a/2$ D. 180-a

16 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

17 Question Image  
A. 30  
B. 39  
C. 80  
D. 78

18 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

19 Question Image  
A. 40  
B. 50  
C. 120  
D. 130

20 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