Mathematics 9th Class English Medium Unit 9 Online Test

Sr	Questions	Answers Choice
1	Whch of the following is the symbol of similarity.	A. <p class="MsoNormal">~<o:p></o:p></p> B. = C. ≡ D. <p class="MsoNormal">≈<o:p></o:p></p>
2	A regular polygon has an interior angle of 165 ^{o}. How many sides does it have?	A. 15 B. 16 C. 20 D. 24
3	In a regular hexagon, the ratio of the length of a diagonal to the side length is.	A. 2:1 B. 3:2 C. 2:3 D. 4:1
4	A regular polygon has an exterrior angle of 30 ^{o}. How many diagonals does the polygon have?	A. 54 B. 90 C. 72 D. 108
5	Two spheres are similar, and their radii are in the ratio 4:5. If the surface area of the larger sphere is 500	A. <p class="MsoNormal"><!--[endif]--><o:p></o:p></p>
6	The total number of diagonals in a polygon i with 9 sides is	A. 18 B. 21 C. 25 D. 27
7	The parallelogram has an area of 64 cm2 and a similar parallelogram has an area of 144 cm2. If a side of the smaller parallelogram is 8 cm, what is the corresponding side of the larger parallelogram?	A. 10 cm B. 12 cm C. 18 cm D. 16 cm
8	The exterior angle of regular pentagon is	A. 40 ^{o} B. 45 ^{o} C. 60 ^{o} D. 72 ^{o}
9	If the volume of two similar solids is 125 cm3 nd 27 cm 3, the ratio of their correspoding heights is.	A. 3:5 B. 5:3 C. 25:9 D. 9:25
10	The ratio of the areas of two similar polygons is	A. Equal to the ratio of their permeters B. Equal to the square of the ratio fo their corresponding sides C. Equal to the cube of the ratio of

their corresponding side
D. Equal to the sum of their corresponding sides

11	If two polygons are similar, then	A. Their correspoding angles are equal B. Their areas are equal C. Their volumes are equal D. Their corresponding sides are equal