Similar Figures

Sr	Questions	Answers Choice
1	If the sum of interior angles of a rgular polygon is 1440 ^{o} then number of sides are	A. 8 B. 10 C. 12 D. 14
2	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
3	In similar figures corresponding angles are congruent and corresponding sides are	A. Congruent B. Parallel C. Perpendicular D. Proportional
4	The ratio of corresponding sides of similar figures is called	A. Common factor B. Scale factor C. Grading factor D. Proportion
5	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
6	The exterior angle of regular pentagon is	A. 40 ^o B. 45 ^o C. 60 ^o D. 72 ^o
7	Ratio has	A. Fixed B. No symbol C. No unit D. No importance
8	The each interior angle of which regular polygon is 108 ^{o}	A. Square B. Pentagon C. Hexagon D. Heptagon
9	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
10	Two spheres are similar, and their radii are in the ratio 4:5. If the surface area of the larger sphere is 500	A. <!--[endif]--><o:p></o:p>
11	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
12	Whch of the following is the symbol of similarity.	A. ~<o:p></o:p> B. = C. <span style="font-size:22.0pt;mso-bidi-font-size:11.0pt; line-height:107%;font-family:"Calibri",sans-serif;mso-ascii-theme-font:minor-latin; mso-fareast-font-family:Calibri;mso-fareast-theme-font:minor-latin;mso-

		hansi-theme-font: minor-latin;mso-bidi-theme-font:minor-latin;mso-ansi-language:EN-US;mso-fareast-language: EN-US;mso-bidi-language:AR-SA">≡ D. ≈<o:p></o:p>
13	The total number of diagonals in a polygon i with 9 sides is	A. 18 B. 21 C. 25 D. 27
14	If radii of two circles are in the ratio 2:3 then their surface areas are in the ratio.	A. 2:3 B. 4:9 C. 8:18 D. 8:27
15	How many equilateral triangles are in a regular hexagon.	A. 4 B. 5 C. 6 D. 8
16	A regular polygon has an interior angle of 165 ^{o}. How many sides does it have?	A. 15 B. 16 C. 20 D. 24
17	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
18	The quality of two ratios is called	A. Proper factor B. Scale factor C. Area factor D. Proportion
19	The each interior and exterior angle of which regular polygon is equal	A. Square B. Pentagon C. Hexagon D. Heptagon
20	If two Spheres have volumes in th ratio 8:27 then their corresponding lengths are in the ratio.	A. 2:3 B. 4:9 C. 8:18 D. 8:27