Name _____ Date _____

Quiz: Volume and Surface Area of Solids

(Use π as 3.14)

1	Find the surface area of a wooden box whose shape is of a cube, and if the edge of the box is 62 cm	
2	The diameter of iron sphere is 4 cm. It is beaten and drawn into a wire of length 1.4 cm. Find the radius of the wire.	
3	150 metal spheres of radius 3 m each melted and this melted solution is filled in cuboid with base area 14 m × 20 m. Find the height of cuboid filled with solution.	
4	What is the volume of a regular cylinder whose base has radius of 15 cm and has height of 22 mm?	
5	Some contaminated soil covers an area of 160 sq yd. Andrews must remove the top 25 inches of soil in this area. If each truck can haul 10 cubic yards of soil, how many full truckloads of contaminated soil will Andrews be removing?	
6	Soda is sold in aluminum cans that measure 15 inches in height and 6 inches in diameter. How many cubic inches of soda is contained in a full can?	
7	A cubical box has dimensions 7 in × 24 in × 60 in. How many cubes dimension 5 in x 5 in x 5 in can be fixed in cubical box?	
8	The diameter of iron sphere is 8 cm. It is beaten and drawn into a wire of diameter 1.6 cm. Find the length of the wire.	
9	A company manufactures large dice for children's games. The dice are cubes with one side measuring 1.2 inch in length. The dice are formed when a liquid plastic is poured into a mold of the die. The company uses trays that contain one dozen die molds in each tray. If the liquid plastic is measured in cubic inches, how much liquid plastic is needed to fill one tray?	
10	A cylindrical glass is 28 cm deep and 6 cm wide. How much liquid can the glass hold?	

Circle # Correct	0	1	2	3	4	5	6	7	8	9	10
Percentage Score	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%