

Quiz: Volume Word Problems

1. How much soil is needed to fill a well that is 49m deep and 8m wide?
2. Sphere A has a volume of 1728 cubic meters and sphere B has a volume of 216 cubic meters. Find the ratio of their radius.
3. Cylinder A has a base diameter of 6 m and a height of 11 m. Cylinder B has a base radius of 6 m and a height of 22 m. Find the ratio of their volumes.
4. Nine metal cubes with sides of 2 cm are melted and casted into a sphere. Find the volume of sphere so formed.
5. What is the volume of a regular cylinder whose base has radius of 16 cm and has height of 35 cm?
6. Find out the volume of a cube with the dimensions 12m × 28m × 10m.
7. A hundred metal spheres with the radius of 21cm are melted and this melted solution is poured into a cube with base area 1.4m × 2.2m. Find the height of cube filled with solution.
8. A cube with the dimensions 10 × 12 × 18 is melted into another cube whose width is 15. Find the length and width of cube formed if $l=b$.
9. Find the volume of a right circular cone with a height of 14cm and a diameter of base 6cm.
10. A cylinder has a radius of 12 inches and a height of 21 inches. What is the volume of this cylinder?

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%