Complete the following word problems

1. How much salt is needed to fill a pit that is 10m deep and 8m wide and 12 m long?

2. Two spheres M and N have volumes of 250 cubic cm and 750 cubic cm respectively. Find the ratio of their radii.

3. Cylinder X has a base radius of 7 m and a height of 2 m. Cylinder Y has a base radius of 4 m and a height of 7 m. Find the ratio of their volumes.

4. Five metal cubes with sides of 5 cm are melted and casted into a spherical ball. Find the volume of the sphere that is formed.

5. What is the volume of a regular cylinder whose base has a radius of 7 cm and a height of 2 cm?

6. Find out the volume of a box with the dimensions 4 m × 5 m × 6 m.

7. Fifty metal spheres with the radii of 4 m are melted and this melted solution is poured into a box with base dimensions of 2 m × 6 m. Find the height of the cube filled with solution.

8. A cubical box with the dimensions 3 × 3 × 2 is melted into another cube whose width is 15. Find the length and height of cube formed if l=h.

9. Find the volume of a right circular cone-shaped building with a height of 3cm and a radius of base 14 cm.

10. A cylinder has a radius of 2 inches and a height of 7 inches. What is the volume of this cylinder?
Complete the following word problems

1. How much sand is needed to fill a pit that is 5m deep and 6m wide and 8 m long?

2. Two spheres A and B have volumes of 150 cubic cm and 50 cubic cm respectively. Find the ratio of their radii.

3. Cylinder P has a base radius of 1.4 m and a height of 3 m. Cylinder Q has a base radius of 2 m and a height of 2.1 m. Find the ratio of their volumes.

4. Two metal cubes with sides of 4 cm are melted and casted into a spherical ball. Find the radius of sphere so formed.

5. What is the volume of a regular cylinder whose base has a radius of 3 cm and a height of 14 cm?

6. Find out the volume of a box with the dimensions 2 m × 3 m × 6 m.

7. Five metal spheres with the radii of 2 m are melted and this melted solution is poured into a box with base dimensions of 3 m × 2 m. Find the height of the cube filled with solution.

8. A cubical box with the dimensions 2 × 3 × 4 is melted into another cube whose width is 12. Find the length and height of cube formed if l=w.

9. Find the volume of a right circular cone-shaped building with a height of 9cm and a radius of base 7 cm.

10. A cylinder has a radius of 3 inches and a height of 14 inches. What is the volume of this cylinder?
Complete the following word problems

1. How much salt is needed to fill a jar that is 3 m deep and 5 m wide and 8 m long?

2. Two spheres A and B have volumes of 75 cubic cm and 25 cubic cm respectively. Find the ratio of their radii.

3. Cylinder E has a base radius of 2 m and a height of 7 m. Cylinder F has a base radius of 5 m and a height of 2.1 m. Find the ratio of their volumes.

4. Three metal cubes with sides of 3 cm are melted and casted into a spherical ball. Find the volume of the sphere that is formed.

5. What is the volume of a regular cylinder whose base has a radius of 2 cm and a height of 7 cm?

6. Find out the volume of a box with the dimensions 4 m × 3 m × 3 m.

7. Forty-two metal spheres with the radii of 4 m are melted and this melted solution is poured into a box with base dimensions of 5 m × 2 m. Find the height of the cube filled with solution.

8. A box-shaped box with the dimensions 7 × 3 × 2 is melted into another cube whose width is 5. Find the length and height of cube formed if l = h.

9. Find the volume of a right circular cone-shaped building with a height of 6 cm and a radius of base 14 cm.

10. A cylinder has a radius of 9 inches and a height of 7 inches. What is the volume of this cylinder?

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Complete the following word problems

1. How much water is needed to fill a jug that is 7 deep and 9m wide and 8 m long?

2. Two spheres F and G have volumes of 264 cubic cm and 176 cubic cm respectively. Find the ratio of their radii.

3. Cylinder P has a base radius of 3m and a height of 14 m. Cylinder Q has a base radius of 6 m and a height of 7 m. Find the ratio of their volumes.

4. Five metal cubes with sides of 5 cm are melted and casted into a spherical ball. Find the volume of the sphere that is formed.

5. What is the volume of a regular cylinder whose base has a radius of 4 cm and a height of 14 cm?

6. Find out the volume of a box with the dimensions 12 m × 13 m × 3 m.

7. Seven metal spheres with the radii of 3 m are melted and this melted solution is poured into a box with base dimensions of 4 m × 2 m. Find the height of the cube filled with solution.

8. A cubical box with the dimensions 12 × 14 × 9 is melted into another cube whose width is 6. Find the length and height of cube formed if l=w.

9. Find the volume of a right circular cone-shaped building with a height of 12 cm and a radius of base 7 cm.

10. A cylinder has a radius of 12 inches and a height of 14 inches. What is the volume of this cylinder?
Complete the following word problems

1. How much juice is needed to fill a glass that is 9 m deep and 5 m wide and 12 m long?

2. Two spheres X and Y have volumes of 256 cubic cm and 125 cubic cm respectively. Find the ratio of their radii.

3. Cylinder M has a base radius of 6 m and a height of 2.1 m. Cylinder N has a base radius of 5 m and a height of 0.7 m. Find the ratio of their volumes.

4. Six metal cubes with sides of 6 cm are melted and casted into a spherical ball. Find the volume of the sphere that is formed.

5. What is the volume of a regular cylinder whose base has a radius of 5 cm and a height of 21 cm?

6. Find out the volume of a box with the dimensions 14 m × 15 m × 9 m.

7. Fifteen metal spheres with the radii of 7 m are melted and this melted solution is poured into a box with base dimensions of 5 m × 2 m. Find the height of the cube filled with solution.

8. A cubical box with the dimensions 11 × 14 × 5 is melted into another cube whose width is 5. Find the length and height of cube formed if l = h.

9. Find the volume of a right circular cone-shaped building with a height of 15 cm and a radius of base 14 cm.

10. A cylinder has a radius of 3 inches and a height of 28 inches. What is the volume of this cylinder?