World 7-1 Converting Units of Volume



3) The Taj Mahal has a volume of 320 000 m³, determine this in km³

4) Person Airport in Toronto has an internal volume of 2.8 million m³.
How many cm³ is this. Keep your answer in scientific notation.







6) A giant bowl of punch is completely full of the liquid from twelve 400 cL boxes of fruit punch. What is the capacity of the bowl of punch in L?

World 7.3 Volume of Spheres, Prisms and Cylinders

1) Calculate the volume of each object. Remember to SHOW ALL work and include units!



2) Determine the volume of each of these prisms.







World 7.4 Volume of Cones, Pyramids and Cubes



2) Determine the volume of these cubes in their respective units.



a) Side length: 5.7 cm



b) Perimeter of Base: 3.2 cm c) Area of Base: 25 mm²



Area of Base: 16 m² Height: 12 m



Height: 2.34 m Side Length: 1.15 m Apothem 1.12 m

c)

Apothem: 3.44 mm Slant length: 5,7 mm Height: 8 mm

World 7.5 Volume of Decomposable Solids

1) Calculate the volume of these 3 decomposable solids

a) The outer cylinder has a radius of 6 m. The inside radius is 4 m. The inside cylinder has been cut out of the larger cylinder. The height is 7 m.



b) This is an ice cream cone.



c) A castle made of cheese will be a new home for a mouse. The tunnel is cut out of a half cylinder and a prism

