

- 5) Given a party hat that is in the shape of a cone. We know the height of the hat is 10 inches. And the radius is 4 inches. What is the volume of the party hat?
- 6) You grab a can of lemonade from the fridge. You notice that radius of the top of the pop can is 2 inches. You also notice that the height of the pop is 5 inches. What is the volume of the can of lemonade?
- 7) The volume of a cereal box is $206.25in^3$. If the height measures at 11 in and the width is 2.5 in, how long is the cereal box?
- 8) The basketball coach asks you to find the volume of the basketball used in the 1992 state championship game. If the basketball has radius of $5in$, what is the volume of the baseketball?

- 9) An official handball has a volume of 904.8cm^3 . What is the radius of an official handball?
- 10) Given an ice cream cone with the height being 20 cm and the radius being 8 cm. Find the volume of the ice cream cone.
- 11) The largest pyramid in the world was built around 2500 B.C. by Khufu, or Cheops, a king of ancient Egypt. The pyramid had a square base 230m on each side, and a height of 147m . Find the volume of Cheops' pyramid.
- 12) A cylinder has a volume of 1356.5km^3 . The diameter of the cylinder is 12 km. Find the height of the cylinder.

13) A baseball has a diameter of 7.6 cm. What is volume of the baseball?

14) A rectangular pyramid with a length of 10cm, a width of 8cm and a height of 9cm. What is the volume of the pyramid?

15) If a barrel has a radius of 1.5ft and a volume of $36ft^3$. What is the height of the barrel?

16) A cone has a volume of $1071.8m^3$ and a height that measures 16 m. What is the radius of the cone?