



- 4) You have 1.5 pounds of gold. Find its volume in  $\text{cm}^3$ . The density of gold is  $19.3 \text{ g/cm}^3$ . Round your answer to the nearest tenth.



- 5) You've been watching a highway construction project that you pass on the way home from school. They've been moving an incredible amount of dirt. You call up the information line, and find out that, when all eighty trucks are running with full crews, the project moves about nine thousand cubic yards of dirt each day. You think back to the allegedly "good old days" when work was all done manually, and wonder how many wheelbarrows full of dirt would be equivalent to nine thousand cubic yards of dirt. You go to your garage, and see that your wheelbarrow is labeled on its side as holding six cubic feet. Since people wouldn't want to overfill their wheelbarrows, you assume that this stated capacity is a good measurement. How many wheelbarrow loads would it take to move the same amount of dirt as those eighty trucks?