VOLUME OF PRISMS
INVESTIGATION
C-R-A-Z-Y ROOM CAPACITY

Q1. Calculate:
(a) the volume of your room
(b) how much liquid it would take to completely fill the room.
(Work out your answers in kL, L and mL.)

Q2. Calculate how many 375 mL cans of soda drink it would take to fill the room.

Q3. Presuming that the volume of your body is 60,000 cm^3 (0.06m^3), calculate how much soda drink it would take to fill the room if you were in it. (There is no furniture.)

Q4. In order to stay alive and not drown, you must drink enough soda to create a 10 cm air space at the top of the room.

Calculate how much you need to drink.

Imagine that your bladder has an infinite capacity – so it's not coming out the other end as you drink! Also your body is not swelling up as you drink and you can drink really fast!! If you work this out correctly, you stay alive! *(It may have been easier to break the window!!!)*