

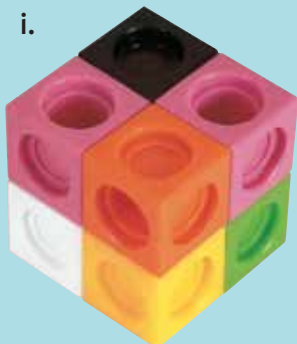
Cubic Capacity

You need: multilink cubes, a classmate

ACTIVITY

- How many multilink cubes make up each of these models if they are solid?
 - Discuss with a classmate any quick ways you found to work out your answers.

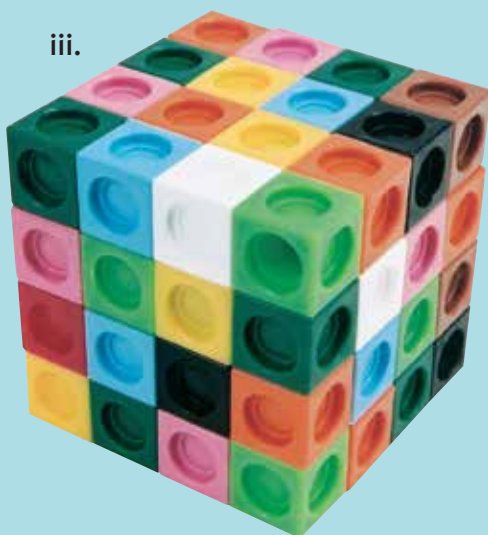
i.



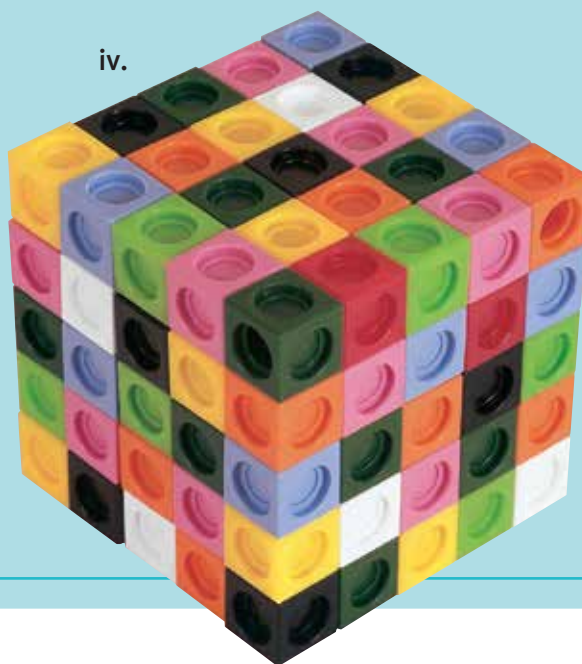
ii.



iii.



iv.



- Find the values of these cubic numbers:
 - 5^3
 - 3^3
 - 10^3
 - 4^3
 - 8^3
- How many cubes make up models ii, iii, and iv if they are *hollow* and have walls that are 1 cube thick?
- $2^3 = 2 \times 2 \times 2$ is known as “two cubed”. Why?