

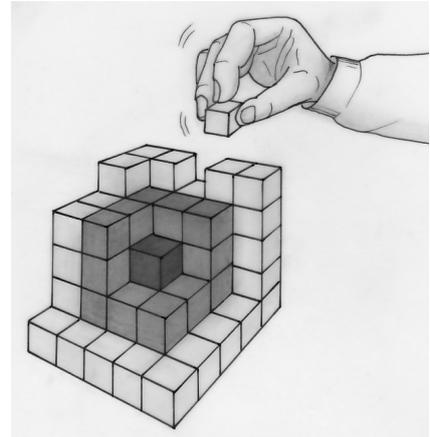
# Building blocks

Ravane, Bernard and Jeanne are playing with small cubes of identical size.

Ravane has a small red cube weighing 5 grams.

Bernard surrounds Ravane's cube with small blue cubes, each weighing 8 grams, so that the new structure is also a cube.

Jeanne places small green cubes, each weighing 12 grams, around Bernard's cubes to form a new cube made up of 125 small cubes.



*Calculate the total mass of the final cube.*