

# No Space to Spare

You need: a photocopied map of your local area, a calculator

**ACTIVITY**

Population density is a way of measuring how closely packed the people of a country are. It can be measured by the average number of people living in 1 square kilometre.

1. a. On a map of your local area, draw a square, using a scale that represents 1 kilometre by 1 kilometre. Include the street or place where you live.
  - b. Estimate from your own knowledge how many people live in that area.

2. Here are the average population densities of the world's most crowded nations:

Country	Macao	Monaco	Singapore	Hong Kong	Malta	Bahrain
Population density (people per square km)	55 815	44 000	16 706	16 649	3 076	2 489

a. Work out the average population density of New Zealand to one decimal place:

- b. Compared with New Zealand, how many times more dense is the population of:
  - i. Macao?
  - ii. Hong Kong?
  - iii. Malta?
- c. Which country has a population 3 000 times more dense than New Zealand's?

3. a. How many times would your classroom fit into 1 square kilometre?
  - b. In Macao, on average, how many people would live in the same area as your classroom?
  - c. How do densely populated countries house their people to make life more comfortable?