

Day 2 - Population Density Student Handout Classroom Activity

Learning Target: I can calculate population density using the class as a model

Instructions: Using the classroom as a model calculate the populations density using the 3 ways covered in the [presentation](#).

Step 1: In pairs or groups determine the demographic information of the population of the classroom of students: total numbers, # males, # females.

Step 2: Calculate the area of the classroom (length x width)

Step 3: Using the calculations below determine the 3 population density

- Arithmetic = # of People/total land area
- Physiological = # of people/arable* land area
- Agricultural Population Density: # of farmers/arable* land area.

Arithmetic Population Density of the room = _____

Now subtract the area taken up in the room with desks or tables (they represent mountains or deserts) that is not arable land.

Physiological Population Density of the room = _____

How many students in the room are farmers (or come from families that are farmers)?

Agricultural Population Density of the room = _____

Extension:

Calculate these three population densities for your home: total area, arable land, people, farmers