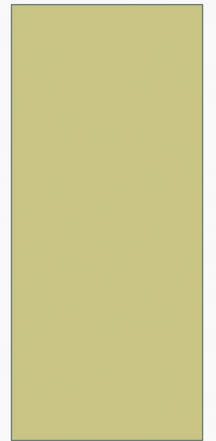


POPULATION DENSITY

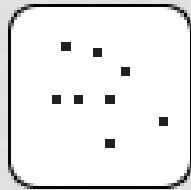
POPULATION VS. POPULATION DENSITY



POPULATION

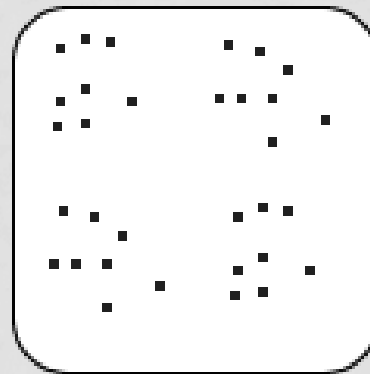
- Definition
 - The number of people living in a particular area

Island A



- Total Population
 - 8 people

Island B



- Total Population
 - 32 people

POPULATION DENSITY

- Definition
- The number of people per square mile

POPULATION DENSITY

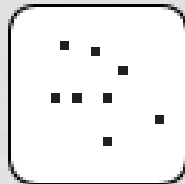
$$\left(\frac{\text{population}}{\text{area}} \right) = \text{Population Density}$$

Example:

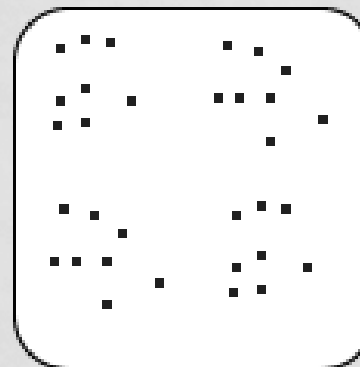
$$\left(\frac{270,000,000 \text{ People}}{9,166,605 \text{ sq. Mile}} \right) = 29 \text{ people per square Mile}$$

- 1 Square Mile
- Population Density
 - $8 / 1 = 8$
 - 8 p/sq. mi.

Island A



Island B



- # of Square Miles
 - 4 sq. mi.
- Population Density
 - $32 / 4 = 8$
 - 8 p/sq. mi.

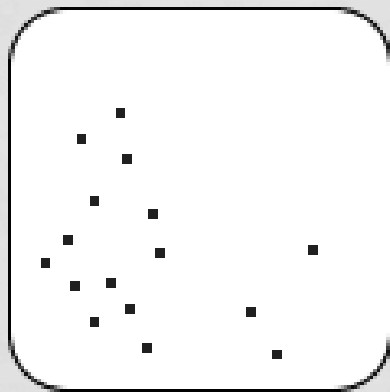
POPULATION DENSITY

POPULATION DENSITY

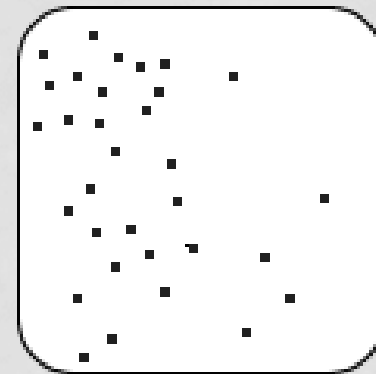
$$\left(\frac{\text{population}}{\text{area}} \right) = \text{Population Density}$$

Example:

$$\left(\frac{270,000,000 \text{ People}}{9,166,605 \text{ sq. Mile}} \right) = 29 \text{ people per square Mile}$$



- Population Density
 - $16 / 4 = ?$
 - 4 p/sq. mi.

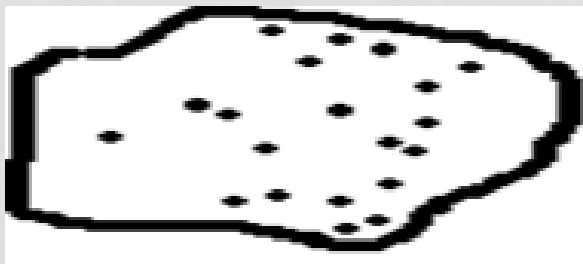


- Population Density
 - $32 / 4 = ?$
 - 8 p/sq. mi.

HIGH POPULATION VS. HIGH POPULATION DENSITY

- Which location has a higher population (i.e. most number of dots)?
 - Place A
- Which location has the highest population density (i.e. dense concentration of dots)?
 - Place B

Place A – 20 Dots



High Population
Most # of Dots

Place B – 18 Dots



High Population Density
Most # of People per Sq. Mile

LOW POPULATION VS. LOW POPULATION DENSITY

- Which location has a lowest population (i.e. least number of dots)?
 - Place B
- Which location has the lowest population density (i.e. sparsely concentration of dots)?
 - Place A



Place A – 8 Dots

Place B – 6 Dots

Low Population Density
Least # of People per Sq. Mile

Low Population
Least # of Dots

HIGH POPULATION VS. HIGH POPULATION DENSITY



LOW POPULATION VS. LOW POPULATION DENSITY



WORLD POPULATION: DOT MAP

- Video 6A