

Demography Exercises Laurel A. Panser, M.A., M.S.
Minnesota State College & University System (MnSCU)
Demography Rates and Ratios Calculation Exercise

General comments about demography rates and ratios are shown here.
Consider calculating the ten rates and ratios

Fictional data about a population and place in a year

Total population	1,200
Females	499
Deaths	
Total	83
≤ 365 days	13
Females, childbirth	3
Live births	82
Age	
0-14 years	230
≥ 65 years	181
Farmers	75

Land in square miles this fictional population and place

Total	9,477 miles squared
Arable	1,800 miles squared

The following are ten (10) the rates and ratios. Practice writing the formula in words and plugging in the numbers. Answers are shown below.

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Infant Mortality Rate

Maternal Mortality Rate

Sex Ratio

Dependency Ratio

Crude Birth Rate (CBR)

Crude Death Rate (CDR)

Natural Increase Rate (NIR)

Population Density (Arithmetic Density)

Agricultural Density

Physiologic Density

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Fill in the following table

Rates in actuality	Ratios in actuality