

## Sampling Homework

1a) What is a sample?

b) How can you make sure a sample is random?

2) There are 1440 people in a school. A random sample of 60 students are taken in which 26 are boys. Work out an estimate for the number of females in the school

3) The table shows the ages of people in a village. I want to take a sample of 50 people stratified by age group

Calculate the number of people from each group which should be sampled

Age	Frequency	Sample Size
$0 \leq A < 20$	74	
$20 \leq A < 30$	64	
$30 \leq A < 40$	98	
$40 \leq A < 50$	48	
$50 \leq A$	66	

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