## 1A Populations & Samples

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Census

Sample

Sampling Frame

	Advantages	Disadvantages
Census	→ Completely accurate result	→ Time consuming → Cannot be used if the sampling process would render the items unusable → Processing a lot of data takes a long time
Sample	→ Less time-consuming → Fewer responses needed → Les data to process	→ Data might not be accurate → Sample might not be properly representative of the population

1.	A supermarket wants to test a delivery of avocados for ripeness by cutting them in half.
a)	Suggest a reason why the supermarket should choose a sample rather than a census
	The supermarket tests a sample of 5 avocados and find that 4 of them are ripe. They estimate that 80% of the total are ripe.
b)	Suggest a way this estimate could be improved
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