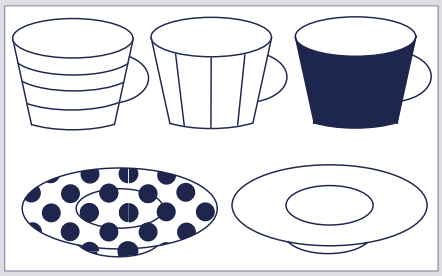
Tauanga A — Statistics Items A

Approach: Independent
Focus: Combinations and probability.
Resources: None.

Questions/instructions



1. Each cup can be paired with each saucer. How may different pairings of a cup and saucer can be made?
Ka taea te whakatōpū ia kapu ki ia hoeha. E hia ngā whakatōpū rerekē ka taea i konei?

A 2
B 3
C 5
D 6

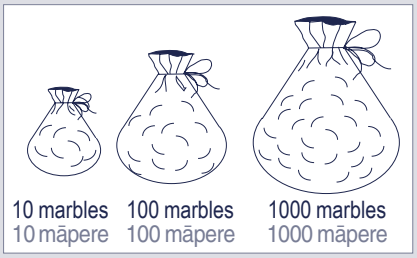
	% responses GEd	MI
D	29	19

2. There is only one red marble in each of the bags shown below. Without looking, you are to pick a marble out of one of the bags.

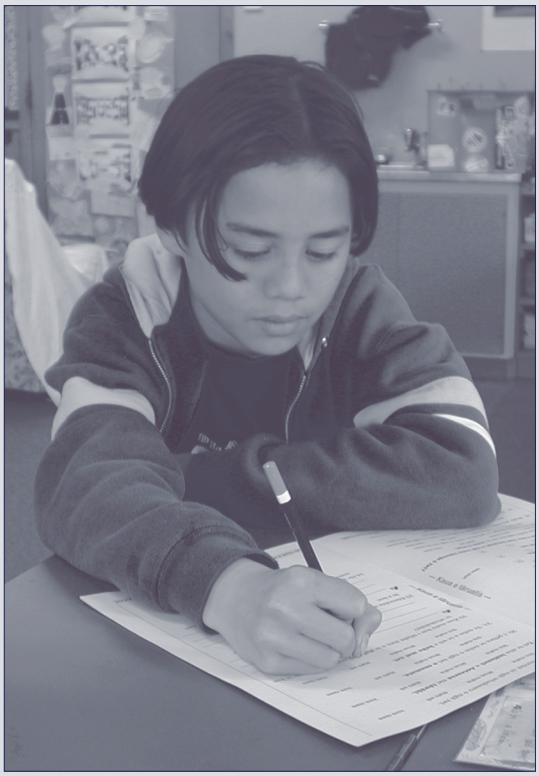
Which bag would give you the greatest chance of picking the red marble?

Kotahi noa iho te māpere whero kei roto i ia pēke. Kaua e titiro, heoi anō tangohia ake te māpere kotahi, mai i tētahi o ngā pēke.

Ko tēhea te pēke ka nui kē atu te tūponotanga [chance] o te hopu atu i te māpere whero?



		% responses GEd	MI
A Bag with 10 marbles. Te pēke 10 māpere.	A	67	40
B Bag with 100 marbles. Te pēke 100 māpere.			
C Bag with 1000 marbles. Te pēke 1000 māpere.			
D It makes no difference. Kāhore he rerekētanga.			



Commentary

Māori students in general education (GEd) settings scored statistically significantly higher than students in Māori immersion (MI) settings. There are major challenges still to be overcome in communicating statistical issues and tasks in Māori.