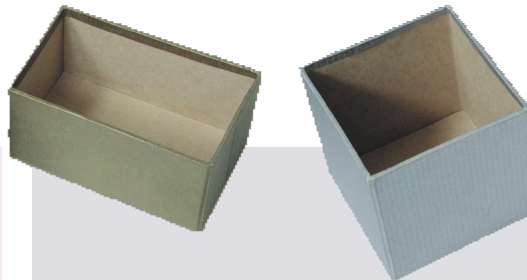


Ngā Pouaka e Rua — Two Boxes

Approach: Station

Focus: Measuring boxes and calculating volume.

Resources: Gold box, silver box, ruler, calculator.



Questions/instructions:

In this activity you will be finding out which box has the greater volume. Measure the outside of the boxes.

I tēnei mahi, ka mōhio koe ko tēhea te pouaka nui ake te rōrahi [volume]. Inengia a waho o ngā pouaka.

1. Work out the volume (capacity) of the gold box.

He aha te rōrahi o te pouaka koura.

Answer / Whakautu: 160 cm³

within 10% and correct units	9	0
within 10% but units not correct	4	0

% responses
GEd MI

2. Work out the volume (capacity) of the silver box.

He aha te rōrahi o te pouaka hiriwa.

Answer / Whakautu: 216cm³

within 10% and correct units	8	0
within 10% but units not correct	7	0

% responses
GEd MI

3. Which box has the greater volume—the gold box or the silver box?

Ko tēhea te pouaka rōrahi ake — te pouaka koura, te pouaka hiriwa rānei?

silver box 54 36

Commentary

Māori students in general education (GEd) settings scored statistically significantly higher than students in Māori immersion (MI) settings.