Ihumanea Pāngarau
Pouaka Wai Ārani
MĀ TE KAIAKO

Kia Mōhio te Ākonga ki:
- te tātai rōrahi pouaka
- te hoahoa raumata pouaka
- te tātai horahanga

Kupu Matua:
rōrahi, mitarau pūtoru (cm^3), raumata, horahanga, tapa

E 240 mL te rōrahi wai ārani e hokona ana e te kamupene Ārani Ake Ltd. Nō reira, e 240cm^3 te rōrahi o te pouaka hei ipu mō te wai ārani.

1. Tuhia kia toru ngā pikitia o te pouaka me te tuhi anō i ngā inenga tapa rereke e taea ana, kia eke ki te 240cm^3 te rōrahi o te pouaka.

   Koia nei ētahi inenga e taea ana (henemita katoa):

4 x 6 x 10	3 x 8 x 10	2 x 12 x 10	1 x 24 x 10
4 x 5 x 12	3 x 4 x 20	5 x 6 x 8	4 x 7.5 x 8

2. Tuhia te raumata o ia pouaka, ka tātai ai i te horahanga o te kāri mārō hei hanga i ia pouaka.
   Hei tauira tātaitanga:
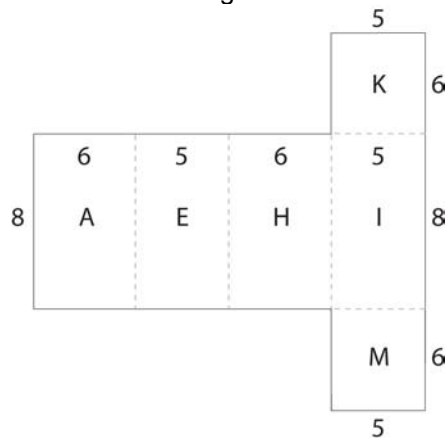
horahanga o te A me te H: 8 x 5 = 40cm^2	tapeke = 80cm^2
horahanga o te E me te I: 8 x 4 = 32cm^2	tapeke = 64cm^2
horahanga o te K me te M: 4 x 5 = 20cm^2	tapeke = 40cm^2
	tapeke matua = 184cm^2

3. Ko tēhea te pouaka he iti rawa te horahanga o te kāri mārō?
   He rahi rawa te horahanga o te kāri mārō hei hanga i ngā pouaka teitei whāiti hoki.
   He iti rawa te horahanga o te kāri mārō hei hanga i ngā pouaka he ōrite te roa o ngā tapa katoa.

4. Ka taea te waihanga tētahi atu pouaka he iti ake i tēnā te horahanga o te kāri mārō, engari e 240cm^3 tonu te rōrahi o te pouaka? Whakamāramatia mai.
   Koia nei ngā inenga tapa o te pouaka he iti rawa te horahanga o te kāri mārō hei hanga i te pouaka:
   6.2cm x 6.2cm x 6.2cm
   Arā, he mataono rite. Mā te tātai i te pūtaketoru o te 240 ($\sqrt[3]{240}$) e whiriwhiria ai ngā inenga tapa nei.