



# Te Reo Pāngarau 2023

**32412 Te whakamahi pāngarau me te tauanga hei whakatutuki i ngā hiahia pāngarau o ngā pūāhua whai take**

Whiwhinga: 10

Ingoa

Kura

NSN Number

**NZQA**

Mana Tohu Mātauranga o Aotearoa  
New Zealand Qualifications Authority

## TE WIKI HĀKINAKINA

### TŪMAHI TUATAHI

Kua whakaritea e te kura o Manu i tō rātou haerenga ki Te Wiki Hākinakina ā-motu. Kei te rangahaua e ngā ākonga o te wharekura ngā āhuatanga e hāngai ana ki te haerenga.



Photo Credit: Te Ao Māori news

Mā te Wharekura Teina e whakarite ngā āhuatanga o te kai. Kei te wānangahia e rātou ngā utu e tika ana kia utu i ia tangata mō te rā tuatahi. Tēnā, whakakīa ngā wāhanga wātea kei tēnei tūtohi.

Kai	Utu ia kg	kg mā ia tangata	Utu mō te tohanga kotahi
Ārani	\$4.00	0.5	
Āporo	\$3.00	0.8	
Mīti	\$10.00	0.2	\$2.00
Hēki	\$20.00	0.25	\$5.00
Parāoa	\$5.00	0.15	
Kīnaki mā	\$15.00	0.05	\$0.75
Poru huapata	\$12.00	0.2	\$2.40
Utu mō te tangata kotahi			(a) _____

- (e) Mehemea, 49 te tokomaha o ngā tāngata e haere ana ki te Wiki Hākinakina, kia hia te katoa o te pūtea ka kohia kia hoko i te kai i te rā tuatahi?

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- (i) Ko te 1:2 te ōwehenga o te ārani ki te tokomaha o ngā tāngata ka whāngaia. E hia ngā kg ka hokona kia whāngai i ngā ākonga 16 i te rā tuatahi?

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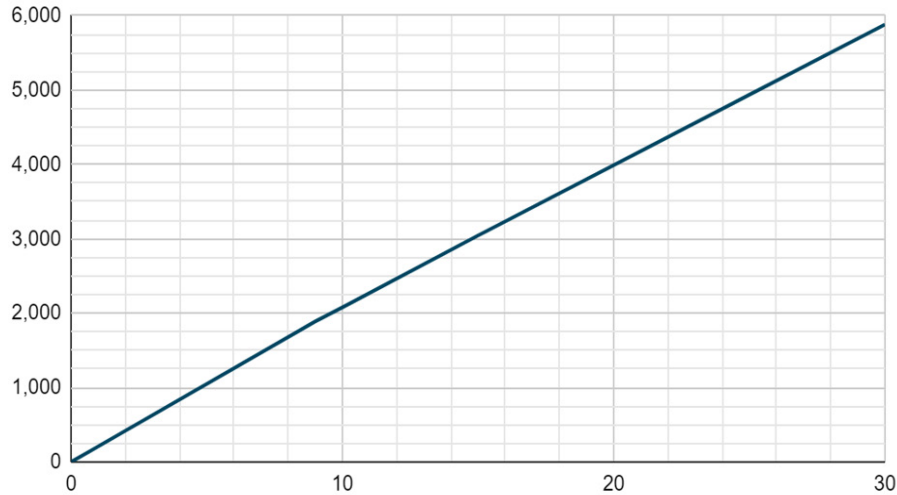
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## TŪMAHI TUARUA

Kua tīmata te Wharekura Tuakana ki te rangahau i te utu mō te wharenoho. Kua wareware i a rātou te tuhi i te tapanga hei whakaatu i te kaupapa o tēnei kauwhata me ngā ingoa tika ki ngā tuaka tika.

(a) Whiriwhiria te tapanga tika ki te kauwhata me ngā tuaka.



(i) Tapanga o te Kauwhata:

- Te utu o te wharenoho
- Te rangahau i te utu o te wharenoho
- Te tokomaha o ngā tāngata e noho ana

(ii) Tuaka pae:

- Te utu o te wharenoho
- Te rangahau i te utu o te wharenoho
- Te tokomaha o ngā tāngata e noho ana

(iii) Tuaka pou:

- Te utu o te wharenoho
- Te rangahau i te utu o te wharenoho
- Te tokomaha o ngā tāngata e noho ana

(e) E ai ki te kauwhata, e hia te utu kia noho te tangata kotahi ki te wharenoho?

- \$190  
 \$210  
 \$150  
 \$200

(i) I kati te wharenoho mō ngā marama e toru. Kua puare anō ngā tatau, ā, e hia te utu mehemea e hiahia ana te kaihautu ki te whakapiki ake i te utu mā te 14% mō ia tangata.

- \$230.40  
 \$29.40  
 \$239.40  
 \$31.50

(o) He whanaunga te kaihautu ki te whānau o Manu. Kia piki ake i te tokoiwa o ngā tāngata e noho ana ki te wharenoho, ka whakaae ia kia heke iho te utu mā te 10% mō ia tangata. E hia te utu mō te tangata kotahi inā ka piki ake te tokomaha o ngā tāngata i te tokoiwa?

- \$210  
 \$189  
 \$200  
 \$181

## TŪMAHI TUATORU

Kua aro ngā kaitaraiwa o ngā wēne ki ngā tawhiti rerekē o ngā wāhi hākinakina.

(a) E mōhio ana a Matua Haerere, ki te tere pūmau 80km/h o te wēne, ka tae atu ia ki te taiwhanga poitūkohu hei te 45miniti mai i tō rātou whare noho.



E hia te tawhiti o te taiwhanga poitūkohu mai i tō rātou wharenoho?

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- (e) E mōhio hoki ana a Matua Haerere, ki te tere pūmau 90km/h o te wēne, ka tae atu ia ki te whīra pā whutupōro hei te 36 miniti, mai i tō rātou wharenoho.

E hia te tāwhiti o te whīra pā whutupōro mai i tō rātou whare noho?

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- (i) E mōhio ana a Matua Haerere, ki te taraiwa ia mo te 30km, ka tae atu tōna wēne ki te Kura o Kī-ō-rahi hei te 25miniti, mai i tō rātou wharenoho.

E hia te tere(km/h) o tāna hautū atu ki te Kura o Kī-ō-rahi?

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- (o) E mōhio hoki ana a Matua Haerere, ki te taraiwa ia mo te 80km, ka tae atu tōna wēne ki te Marae o Hopu Ariki hei te 48miniti, mai i tō rātou wharenoho.

E hia te tere(km/h) o tāna hautū atu ki te Marae o Hopu Ariki?

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## TŪMAHI TUAWHĀ

Kei te kōhi pūtea ngā tamariki o te kura tuatahi ki te tautoko i te wharekura. Kei te whakarite rātou kia rua ngā rāwhara. Mā te tumuaki e takoha tētahi pūtea anō, kia ōrite ki te rahi o te pūtea ka kohia e te kura tuatahi.



**Rāwhara tuatahi.** Kua takoha mai ētahi taonga, hei whiwhinga mō te rāwhara. E 500 ngā tīkiti. E \$5 te utu mā ia tīkiti. Kāore te kura i hokona atu i te 9% o ngā tīkiti.

- (a) E hia katoa te moni i riro i a rātou mā te rāwhara?

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- (e) Kāore te kura i hokona atu i te 2% o ngā tīkiti. E hia katoa te moni, i riro i a rātou mā te rāwhara tuarua?

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- (i) Kua tāpirihia te pūtea i kohia e te kura tuatahi ki te takoha a te tumuaki. E hia katoa te tapeke o tēnei pūtea?

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Te rahinga o ngā pūtea kua kohia



- (o) Kei te whakaatu te kauwhata porohita i te ōrau o te rahinga o ngā pūtea kua kohia.



Kowhiria te tapanga tika mō tēnei wāhanga o te kauwhata porohita

Ko te koha a te tumuaki – 50%

Ko te utu mō te rāwhara tautoko tuatahi – 8%

Ko te utu mō te rāwhara tautoko tuarua. – 42 %

● Kowhiria te tapanga tika mō tēnei wāhanga o te kauwhata porohita

- Ko te koha a te tumuaki – 50%
- Ko te utu mō te rāwhara tautoko tuatahi – 8%
- Ko te utu mō te rāwhara tautoko tuarua. – 42 %

● Kowhiria te tapanga tika mō tēnei wāhanga o te kauwhata porohita

- Ko te koha a te tumuaki – 50%
- Ko te utu mō te rāwhara tautoko tuatahi – 8%
- Ko te utu mō te rāwhara tautoko tuarua. – 42 %

## TŪMAHI TUARIMA

Kua takohatia e te māmā o Manu kia 30 ngā pouaka hei pupuri i ngā rākau hei whakamahi i te rā Ariki. Kei te tūhura a Manu i te rōrahi o ngā rākau i mua i te haringa atu ki te wiki hākinakina.

**Ko te 3 mitarau (cm) te whitianga o ngā pito rakau. Ko te 1500 mitamano (mm) te roanga o te rākau**



(a) Whakawhitia te whitianga o te rākau 3 mitarau(cm) ki te mitamano(mm).

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(e) Whakawhitia te roanga o te rākau 1500 mitamano(mm) ki te mitarau(cm).

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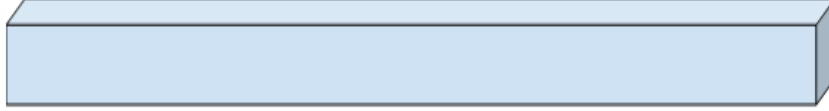


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I tana kitenga atu i ngā pouaka i te āmāimai haere ia, mēnā rānei ka tau katoa ngā pouaka pupuri rākau ki te wēne. He poro tapawhā te hanga o ia pouaka pupuri rākau.

**3.5cm te teitei o te pouaka 160 cm te roanga o te pouaka. 0.45cm te whānui o te pouaka.**



(i) Kimihia te rōrahi o tēnei pouaka?

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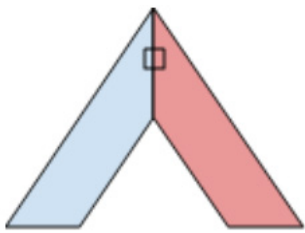
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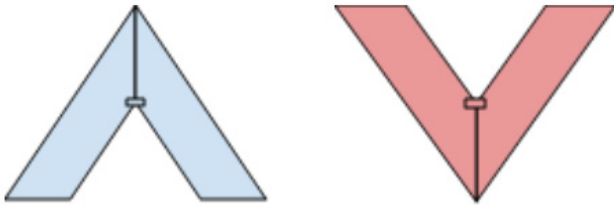
## TŪMAHI TUAONO

Ko te rangahau whakamutunga a Manu, ko te whakarite rautaki whawhai ki te rā Ariki. Ki ōna whakaaro he pai ake te whakamahi i ngā āhuahanga ka kite ake i ngā mahi panonitanga.



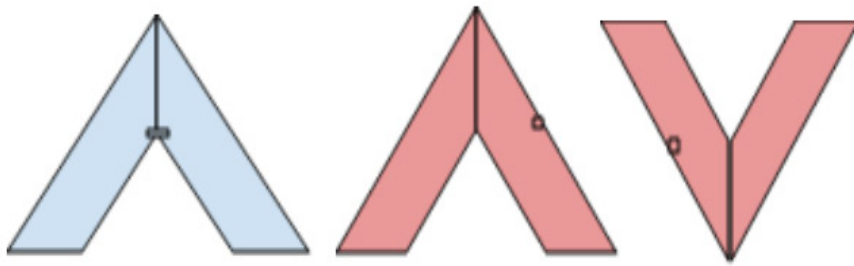
(a) Whakaingoatia te panonitanga e whakaaturia ana e te hoahoa whero.

- Hurihanga
- Whakaatanga
- Nekehanga



e) Whakaingoatia te panonitanga e whakaaturia ana e te hoahoa whero.

- Hurihanga  $45^\circ$
- Hurihanga  $90^\circ$
- Hurihanga  $180^\circ$



(i) Kua kite ake a Manu, ka tino takaroa ētahi o ēnei, nā reira ka pēnei tōna whakaaro. Kua whakamahi ia i ēhea panonitanga kia pēnei?

- Nekehanga, hurihanga
- Nekehanga, whakaatanga $^\circ$
- Hurihanga, nekehanga

## TŪMAHI TUAWHITU

Kua whakarite te whānau o Manu i tētahi whakataetae kauhoe hei whakakapi i te wiki hākinakina. Kua whakatau rātou i ngā reihī kauhoe me ngā tūmomo whakataetae e whai ake nei.

Wā	Te Puna Reihī	Te Momo Reihī	Reanga
09:00	1	Kau tāwhai	Whakataetae Pakeke
09:00	1	Kau muri	Teina
09:00	2	Kau aihe	Teina
09:00	2	Kau āpuru	Tuākana
09:00	3	Kau takawhitiwhiti	Katoa
10:00	1	Kau tāwhai	Tuākana
10:00	1	Kau muri	Tuākana
10:00	2	Kau aihe	Whakataetae Pakeke
10:00	2	Kau āpuru	Teina
10:00	3	Pahū	Katoa
11:00	1	Kautāwhai	Teina
11:00	1	Kau muri	Whakataetae Pakeke
11:00	2	Kau aihe	Tuākana
11:00	2	Kau āpuru	Whakataetae Pakeke
11:00	3	Kohi Rīngi	Katoa

(a) Ko Heremia tētahi o ngā tuākana e pīrangi ana ki te kau tāwhai. Āhea ia kauhoe ai?

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(e) Ko Merengia tētahi o ngā teina e pīrangi ana ki te mātakitaki i te reihī a ngā pakeke hei te tekau karaka. Heoi anō, kei te kauhoe ia i taua wā anō. He aha tāna reihī?

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(i) I tae tōmuri tētahi o ngā pakeke ki te rā kauhoe nei. He aha ngā reihī e taea tonutia ana e ia te uru atu, hei te tekau mā tahi karaka?

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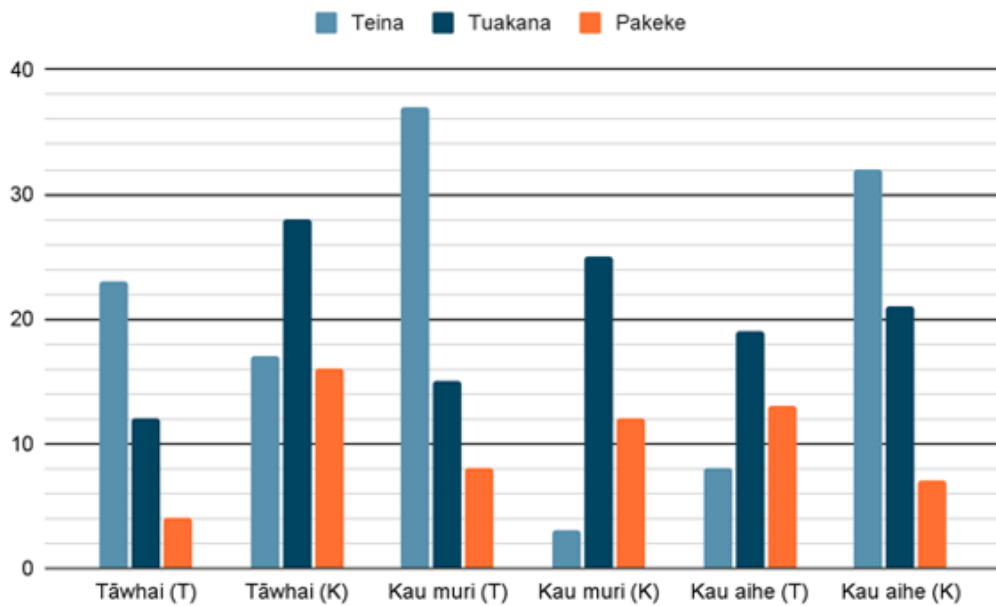
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Kei te tūhura a Manu i te kaha o ngā ākonga ki te kauhoe. Kua kōhi katoa i ngā raraunga o ngā reihi i toa ai ngā tama (T=Tama) me ngā kōtiro (K=kōtiro).

Kei te tātari āna mahi ināiane;



(o) E ai ki te kauwhata nei, ko tēhea te tino kauhoe o ngā tama?

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(u) E ai ki te kauwhata nei, ko tēhea te kauhoe ngoikore ake o ngā pakeke kotiro?

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(h) E ai ki te kauwhata nei, ko tēhea te rōpu toa o tēnei rangi kauhoe?

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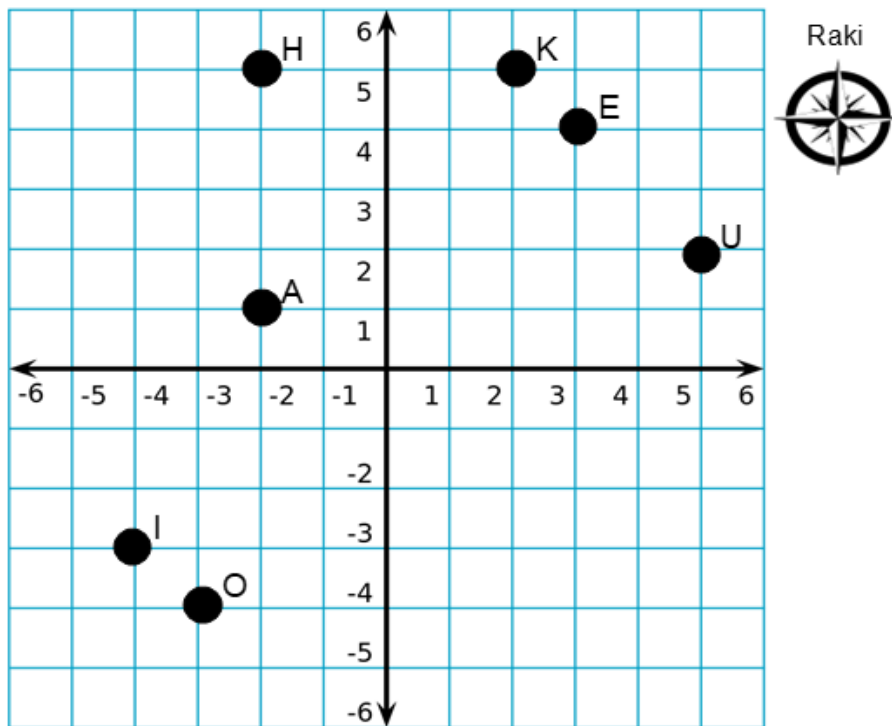


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Kua whakarite ngā ākonga o te wharekura teina i tētahi mahere tukutuku. Kua hunaia e rātou ētahi taonga ki ngā wāhi e whai ake nei:



(k) He aha te taunga takirua o te wāhi “I”

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(m) Ka tīmata koe ki te wāhi ‘O’, ā, whakamahia te kāpehu ki te whakaingoa i ngā ahunga kia tae atu ki te wāhi ‘U’

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**E kimi ana a Tui i tētahi taonga i hunaia, engari kāore i te mahere. Kua rongu kōrero ia, mēnā ka haere whakaterāwhiti mai i te A, ka tūtakina te rārangi whakatetonga mai i te E.**

(n) Tuhia mai te taunga takirua o taua tūtakitanga kia kite a Tui i te wāhi huna:

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