

Hei whakaoti mā te ākonga

Te Tau Ākonga ā-Motu (NSN)

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Te Tau ā-Kura

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SUPERVISOR'S USE ONLY

Tirohia te uhi o muri e kitea ai te whakapākehātanga o tēnei uhi

Tuhia he (X) ki te pouaka mēnā kāore koe i tuhi kōrero ki tēnei puka

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32406M TE WĀHANGA 2



Mana Tohu Mātauranga o Aotearoa
New Zealand Qualifications Authority

Te Whakamahinga Tātai 2026

32406M Te whakahāngai i te pāngarau me te tauanga
i ngā tūāhua whānui o ia rā

Ngā whiwhinga: Tekau

TE WIKI TUARUA | TE 25–29 O MEI 2026

NGĀ HUA	
1	Te whakatakoto i ētahi ara o te pāngarau me te tauanga hei whakaoti panga i ngā tūāhua whānui o ia rā.
2	Te whakamahi i te pāngarau me te tauanga kia ea ai te taha ki te whakamahinga tātai o roto i ngā tūāhua whānui o ia rā.
3	Te whakamārama i ngā urupare ā-pāngarau, ā-tauanga hoki ki ngā tūāhua.

Tuhia tō Tau Ākonga ā-Motu (NSN) me tō Tau ā-Kura ki te wāhi e wātea ana ki runga.

Me whakamātau koe i ngā tūmahi KATOA kei roto i tēnei pukapuka.

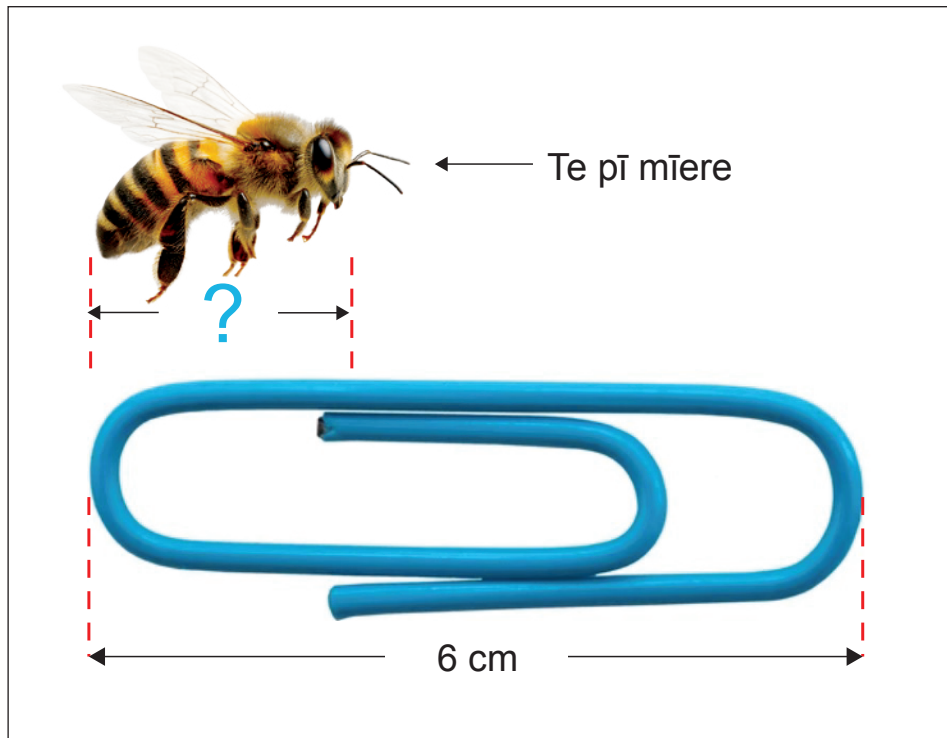
Ki te hiahia wāhi atu anō koe mō ō tuhinga, whakamahia ngā whārangi wātea kei muri o tēnei pukapuka.

Tirohia kia kitea ai e tika ana te raupapatanga o ngā whārangi 2–55 kei roto i tēnei pukapuka, ka mutu, kāore tētahi o aua whārangi i te takoto kau.

Kaua e tuhi kōrero ki ngā tapa (///). Ka poroa taua wāhi ka mākahia ana te pukapuka.

HOATU TĒNEI PUKAPUKA KI TE KAIWHAKAHAERE Ā TE MUTUNGA O TE WHAKAMĀTAUTAU.

TE TŪMAHI TUATAHI: Te pī mīere

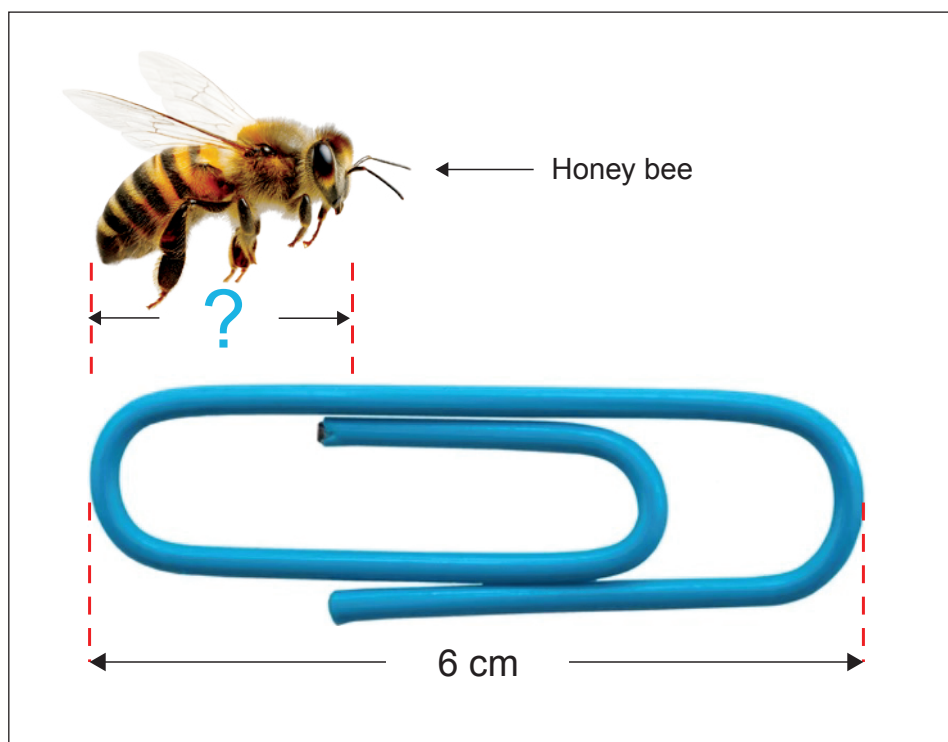


E 6 mitarau te roa o tēnei kini pepa i te ao motuhenga.

(a) Tōna pēhea nei te roa o te pī mīere hei **mitamano**?

 mm

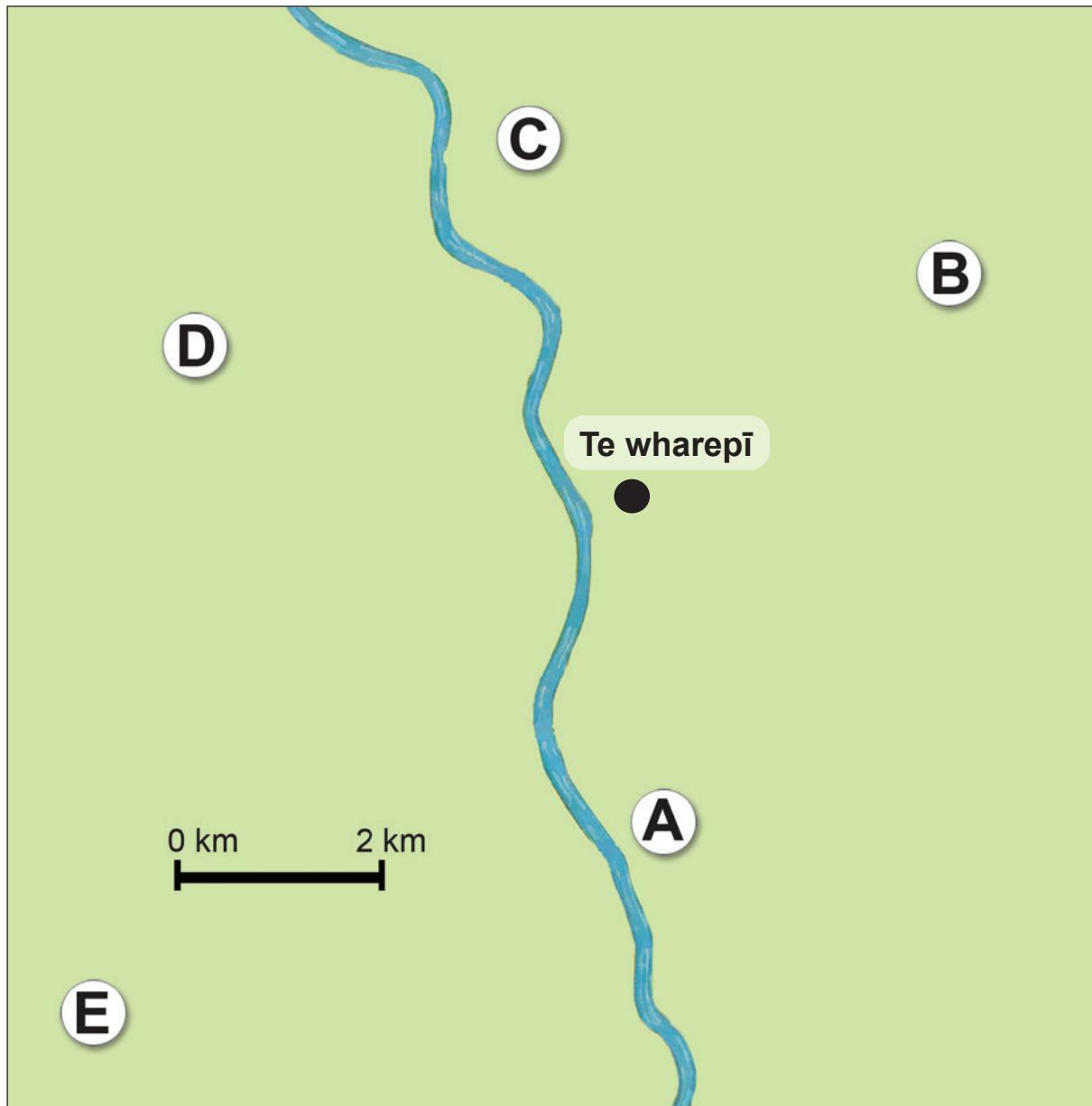
QUESTION ONE: Honey bees



This paper clip is 6 centimetres long in real life.

- (a) About what length is the honey bee in **millimetres**?

mm

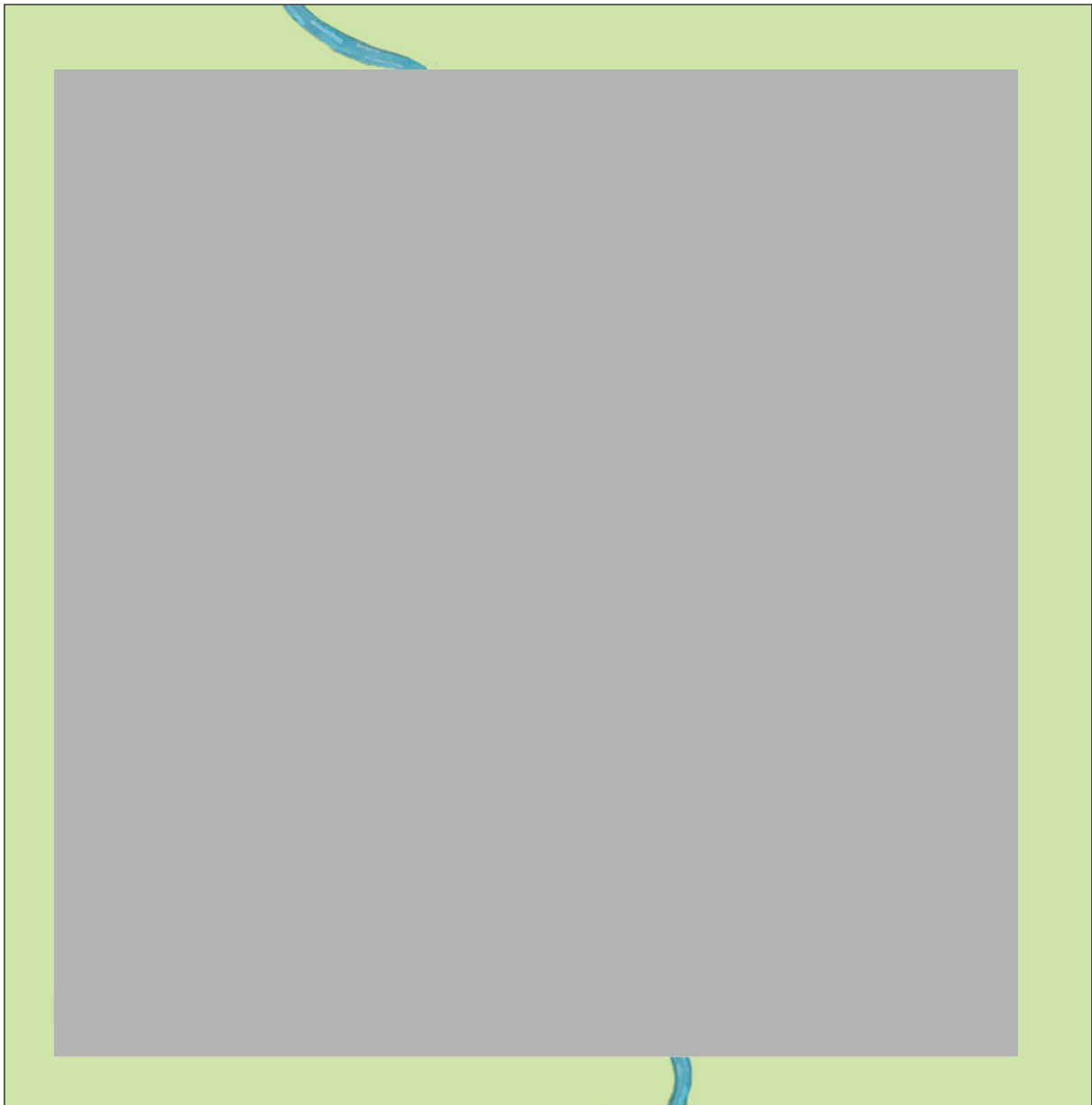


Ka taea e te pī mīere te rere ki tētahi wāhi e **8 km** te tawhiti i tō rātou wharepī.

- (b) I te mahere, ko tēhea reta e whakaatu ana i te wāhi **tawhiti katoa** ka taea e te pī mīere, atu i te wharepī?

Kōwhiria (✓) te reta tika.

- (i) A ☐ (ii) B ☐ (iii) C ☐ (iv) D ☐ (v) E ☐



Honey bees can fly **up to 8 km** from their hive.

- (b) On the map, which letter shows the **furthest** a honey bee can reach from the hive?

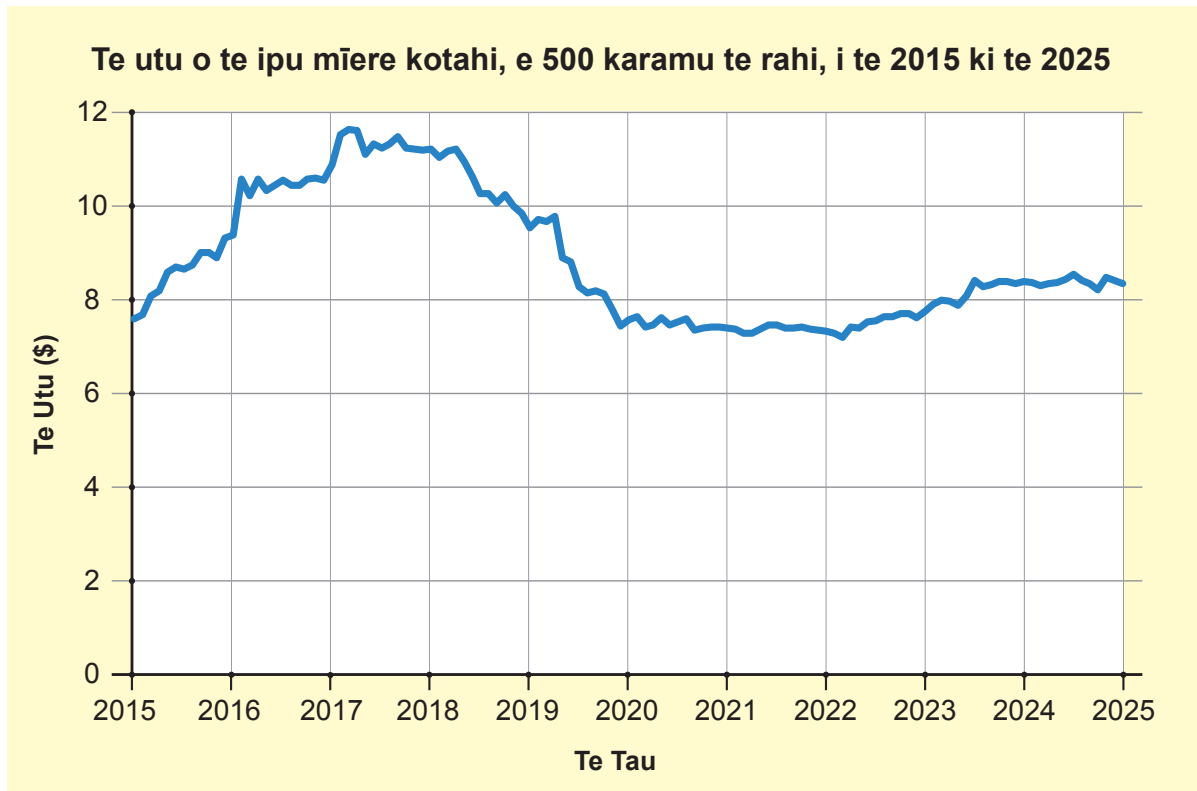
Select (✓) the correct letter.

- (i) A ☐ (ii) B ☐ (iii) C ☐ (iv) D ☐ (v) E ☐

Ka mahi te pī mīere kotahi i tōna 0.5 karamu o te mīere i te roanga o tōna ora.

- (c) Tōna hia nei te maha o ngā pī e mahia ai te 8 karamu o te mīere?

ngā pī mīere

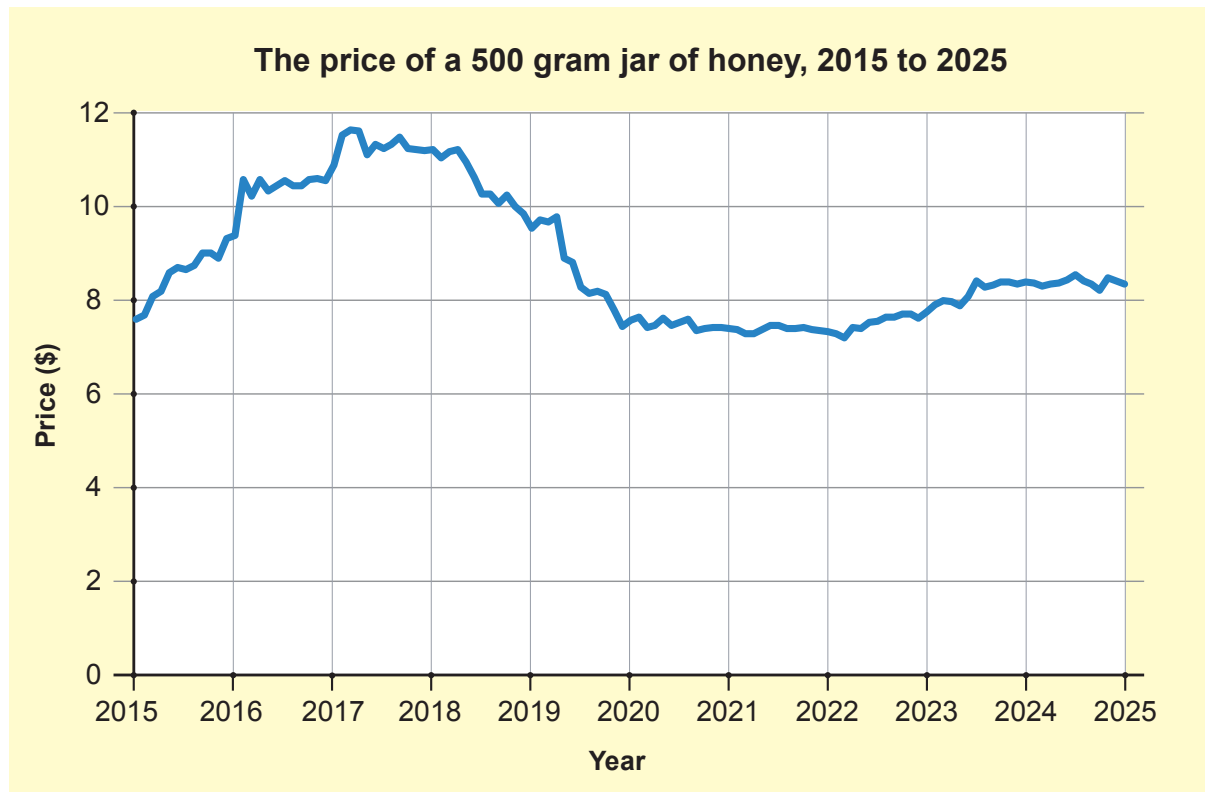


- (d) Whakamahia ngā tau me ngā utu e **toru** o roto i te kauwhata. Whakaahuatia te rerekē haere o te utu o tētahi ipu mīere, e 500 karamu te rahi, mai i te tau 2015 ki te tau 2025.

One honey bee makes about 0.5 grams of honey in its life.

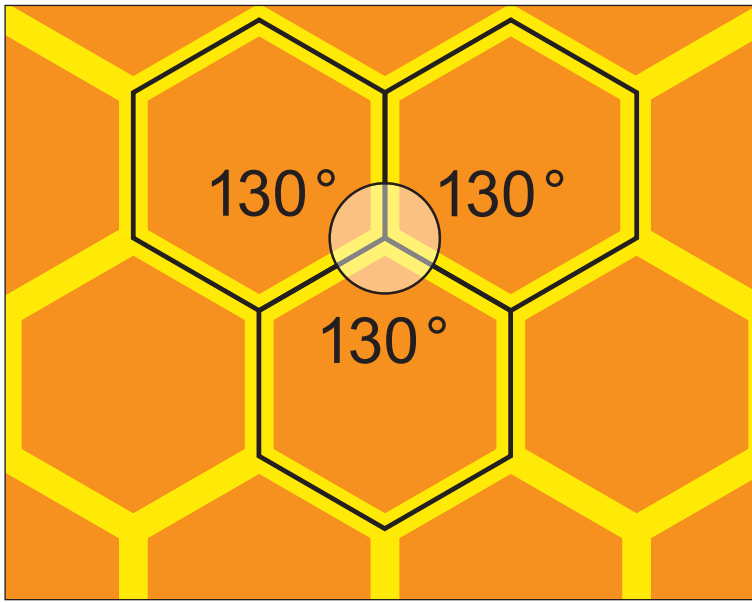
- (c) About how many bees are needed to make 8 grams of honey?

honey bees



- (d) Use **three** dates and prices from the graph. Describe how the price of a 500 gram jar of honey has changed from 2015 to 2025.

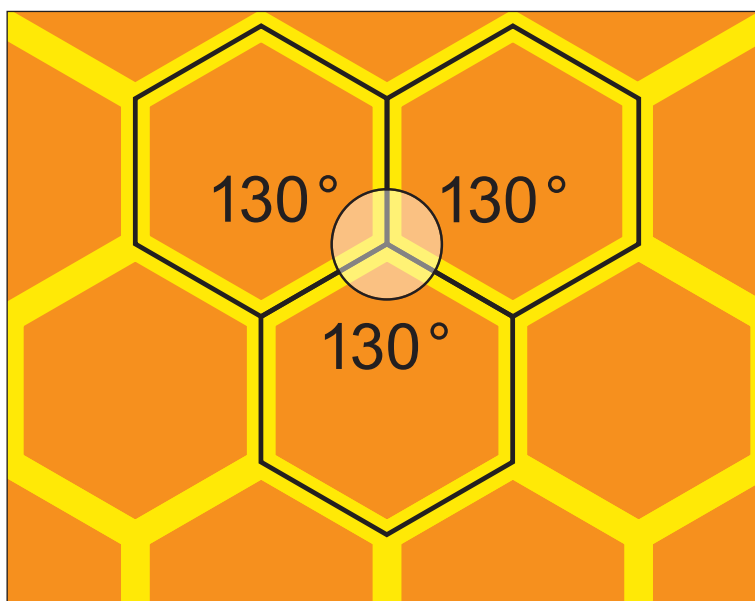
Mahi ai te pī mīere i tētahi pīhangaiti i ētahi tapaono rite.



(e) E mea ana tētahi kairaupī me 130° rawa te rahi o ia koki o te pīhangaiti.

E whakaae ana koe? Whakamāramatia tō whakautu mā te whakamahi koki.

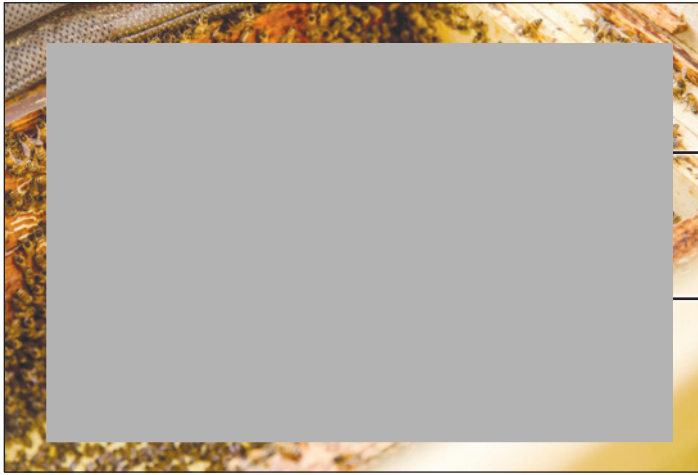
Honey bees make a honeycomb of regular hexagons.



- (e) A beekeeper says that each angle in the honeycomb must measure 130° .

Do you agree? Explain your answer using angles.

I ētahi wā, ka whakarite ngā kairaupī i ētahi wai mīere mā ā rātou pī.



Te wharepī

Te wai mīere

Ka hoatu te kairaupī i ngā kapu huka e **rima** ki ia **rua** kapu wai.

(f) Kia hia ngā kapu huka ki ngā kapu wai e iwa?

Tuhia tō whakautu hei tau ā-ira.

ngā kapu huka

Beekeepers sometimes make a sweet syrup for their honey bees.



A beekeeper uses **five** cups of sugar for every **two** cups of water.

- (f) How many cups of sugar will be needed for nine cups of water?

Write your answer as a decimal.

cups of sugar

TE TŪMAHI TUARUA: Ngā hū

Ka pai tonu ngā hū oma ā pau noa tōna 400 manomita.

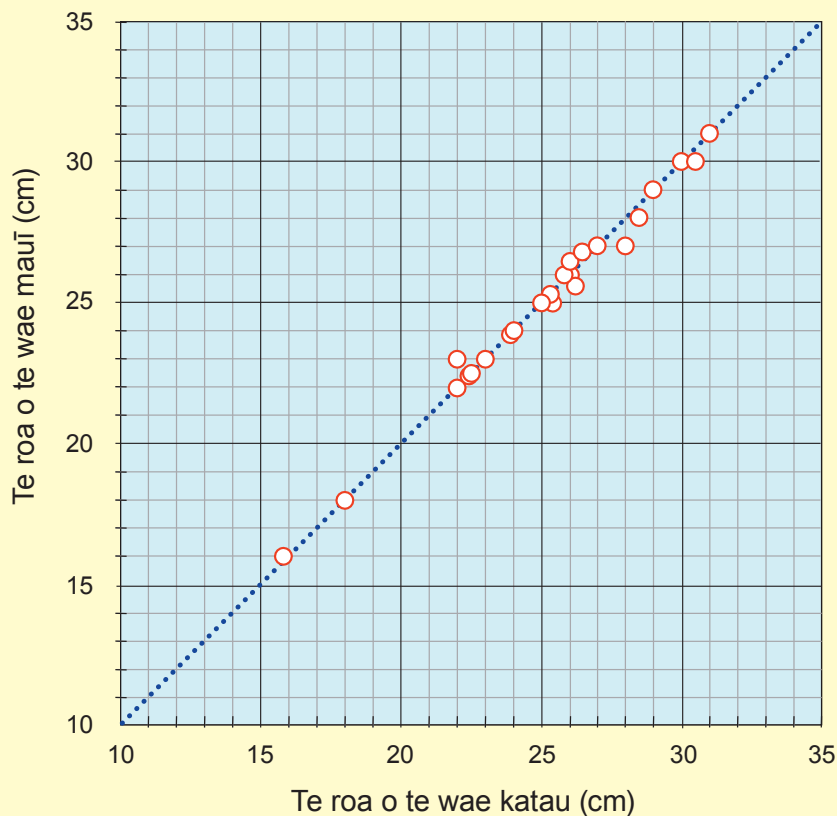
Ka tekau manomita i te rā te roa o te oma a tētahi tangata i ngā rā e rua o ia wiki.



- (a) E hia wiki te roa o te pai tonu o ōna hū, i tōna tikanga?

ngā wiki

Ngā roa o ngā wae mauī me ngā wae katau o tētahi karaehe o ngā ākonga Tau-10



Ka mea tētahi tangata: he āhua rite te roa o te wae mauī me te wae katau o te ākonga.

- (b) E whakaatuhia ana i te rārangi tongi te tika o tēnei kōrero? Whakamahia ngā taipitopito o te kauwhata hei whakamārama i tō whakautu.

QUESTION TWO: Footwear

Running shoes can last about 400 kilometres.

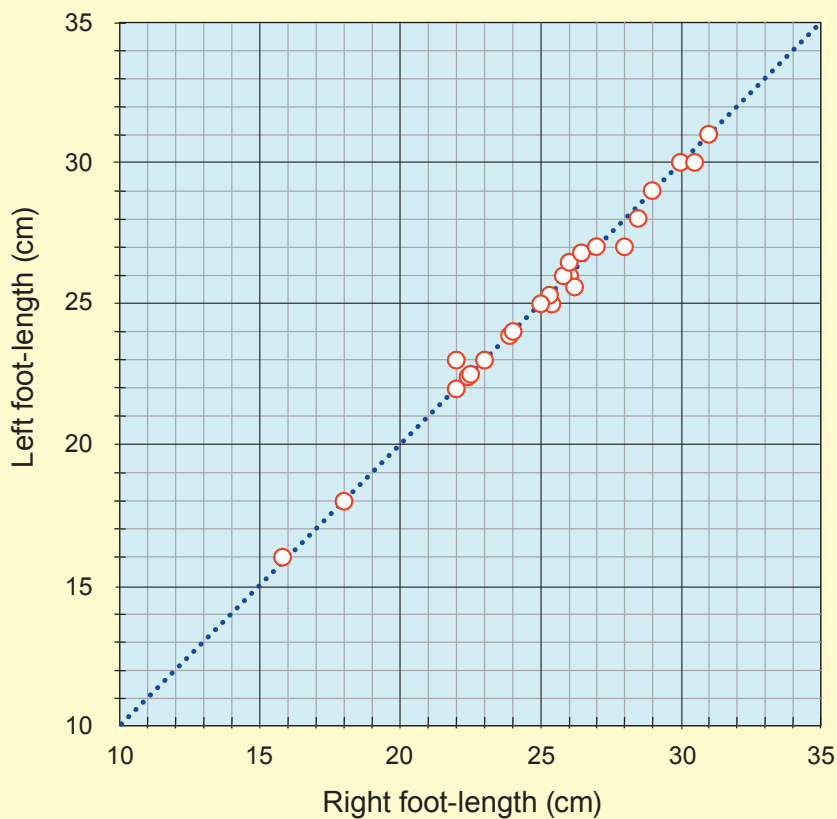
A person runs 10 kilometres, two times a week.

- (a) How many weeks should their shoes last?

weeks



Left and right foot-lengths of a class of Year-10 students



Someone says that students' left and right feet are about the same length.

- (b) Does the dotted line show that this statement is true? Use information from the graph to explain your answer.

E whakatairitea ana i tēnei tūtohi ngā rahinga hū tāne o Te Huinga o Peretānia me Airangi ki te Raki (UK) me ō Ūropi (EU).

Ngā rahinga hū	
UK	EU
5	39
6	40
7	41
8	42
9	43
10	44
11	45
12	46
13	47

(c) Ko tēhea te ture **pai katoa** hei huri i ngā rahinga **EU** hei rahinga **UK**?

Kōwhiria (✓) te whakautu tika.

- (i) Tātaia te pūtakerua o te rahinga EU ☐
- (ii) Whakawehea te rahinga EU ki te 4 ☐
- (iii) Whakawehea te rahinga EU ki te 8 ☐
- (iv) Tangohia te 30 i te rahinga EU ☐
- (v) Tangohia te 34 i te rahinga EU ☐

This chart compares United Kingdom (UK) and European (EU) sizes of men's shoes.

Shoe sizes	
UK	EU
5	39
6	40
7	41
8	42
9	43
10	44
11	45
12	46
13	47

(c) Which rule is the **best** to change EU sizing into UK sizing?

Select (✓) the correct answer.

(i) Find the square root of EU sizes

☐

(ii) Divide the EU size by 4

☐

(iii) Divide the EU size by 8

☐

(iv) Subtract 30 off the EU size

☐

(v) Subtract 34 off the EU size

☐

Ka whakarite poapoatanga tētahi toa hū. Ki te hokona ngā pūrua hū e rua, ka hauruatia te utu o te pūrua tuarua.



E hiahia ana koe ki te hoko i ngā pūrua hū e rua, ā, e rite ana te utu o ia pūrua i te nuinga o te wā.

(d) Nā konā, ka penapenatia e koe te 50% o te **utu tapeke**?

Whakamāramatia tō whakautu.

A shoe shop has a deal. If you buy two pairs of shoes you get the second pair for half price.

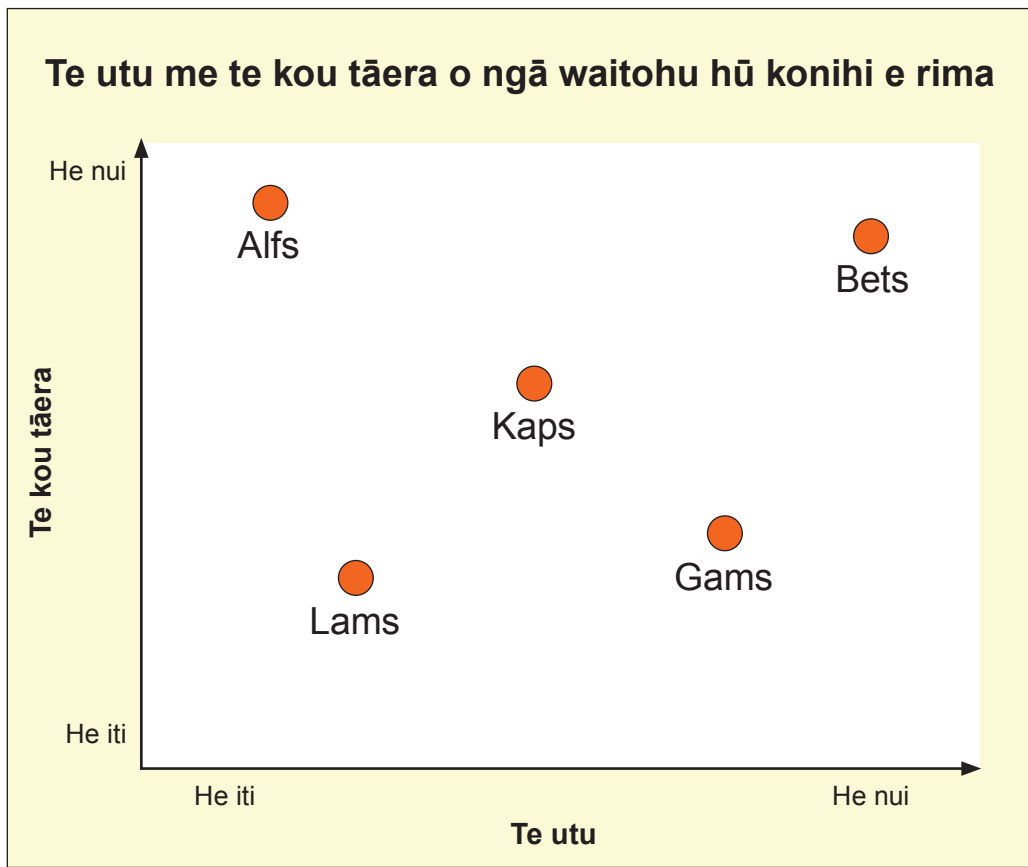


You want to buy two pairs of shoes that usually cost the same amount per pair.

- (d) Does this mean that you save 50% of the **total price**?

Explain your answer.

E whakaatuhia ana i tēnei kauwhata te utu me te kou tāera o ngā waitohu hū konihi e rima.

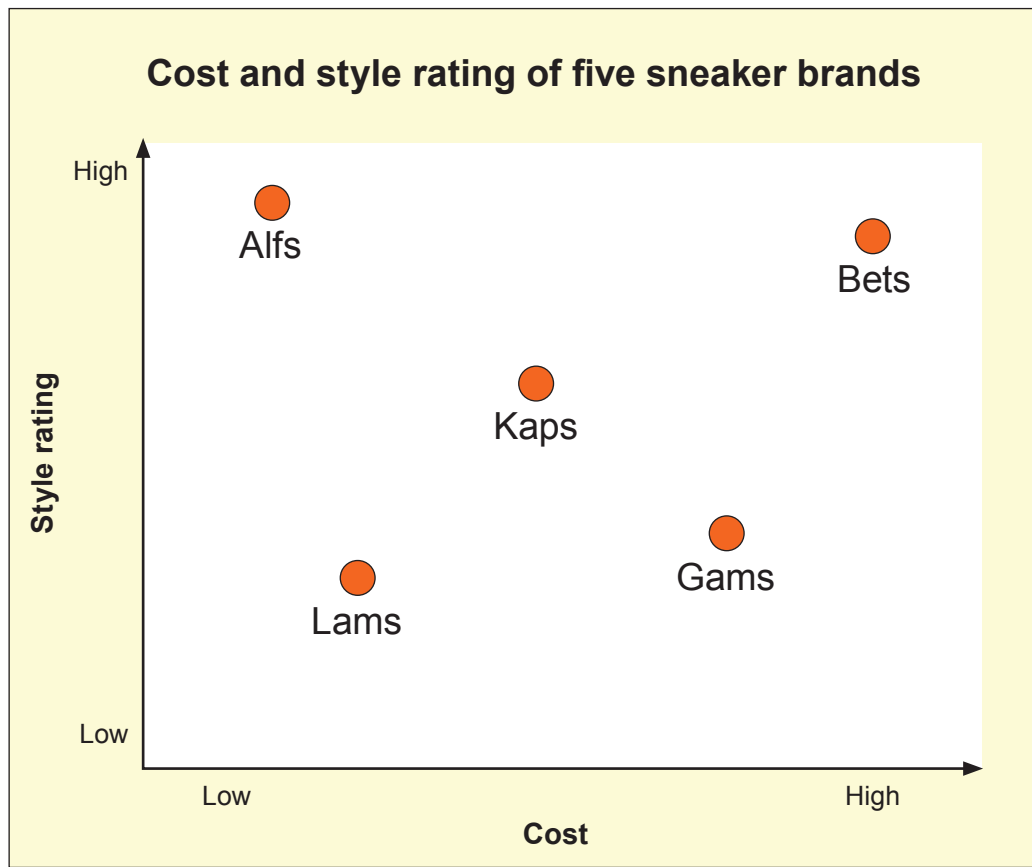


Ka tuhia ki tētahi puka maheni te kōrero nei: “Ko te tino whiringa: Ko *Bets* – he nui te kou tāera, engari he nui te utu.”

(e) E whakaae ana koe ki te kōrero i te puka maheni?

Whakamāramatia tō whakautu mā te whakamahi taipitopito mai i te kauwhata.

This graph shows the cost and style rating of five sneaker brands.

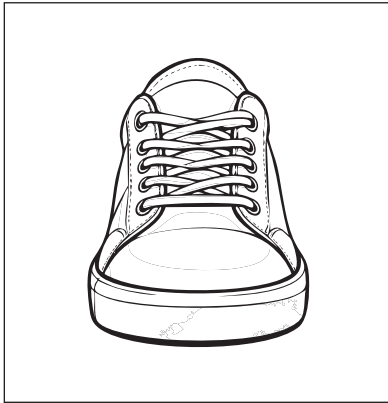


A magazine article states: “Top pick: *Bets* – stylish but come at a high cost.”

(e) Do you agree with the magazine?

Explain your answer using information from the graph.

Anei te tirohanga mua me te tirohanga taha o tētahi hū konihi.



Ko mua



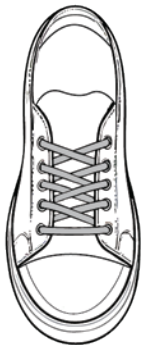
Ko te taha

(f) Ko tēhea tirohanga e whakaatu ana i te tirohanga o taua hū tonu, **mai i runga?**

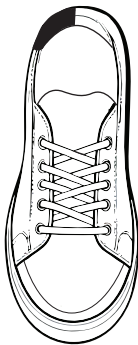
Kōwhiria (✓) te whakautu tika.



(i)



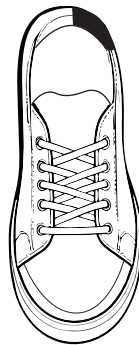
(ii)



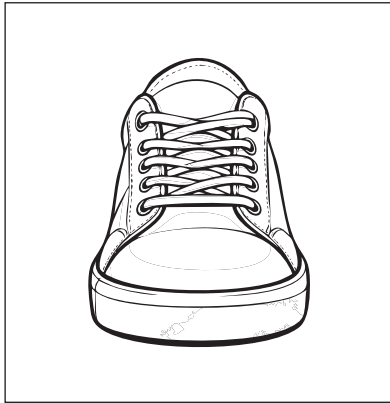
(iii)



(iv)



Here are the front and side views of a sneaker.



Front



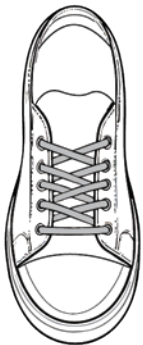
Side

- (f) Which view shows the same sneaker seen **from above**?

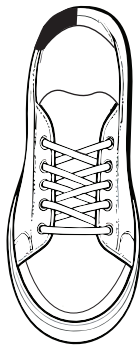
Select (✓) the correct answer.



(i)



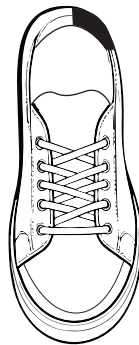
(ii)



(iii)



(iv)



TE TŪMAHI TUATORU: Te rorerore



Ko tā te waea, e 20% te tūponotanga ka heke te ua.

Ko tā te reo irirangi, “1 o roto i te 5” te tūponotanga ka heke te ua.

(a) E rite ana tā te waea me tā te reo irirangi mō te tūponotanga ka heke te ua?

Whakamāramatia tō whakautu mā te whakamahi i **ngā hautau**, i **ngā ōrau rānei**.

QUESTION THREE: Barbecue

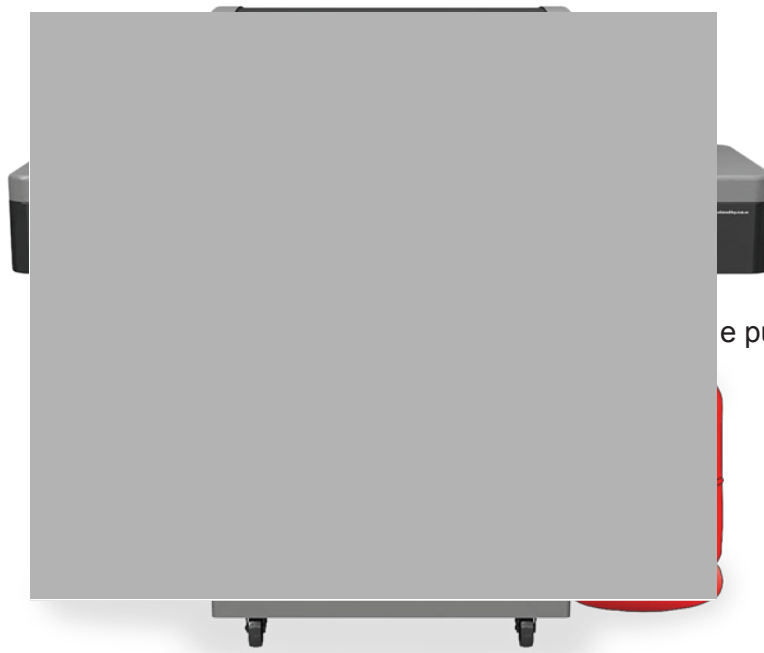


The phone says that there is a 20% chance of rain.

The radio says there is a “1 in 5” chance of rain.

- (a) Are the phone and radio both giving the same chance of rain?

Explain your answer using **fractions or percentages**.



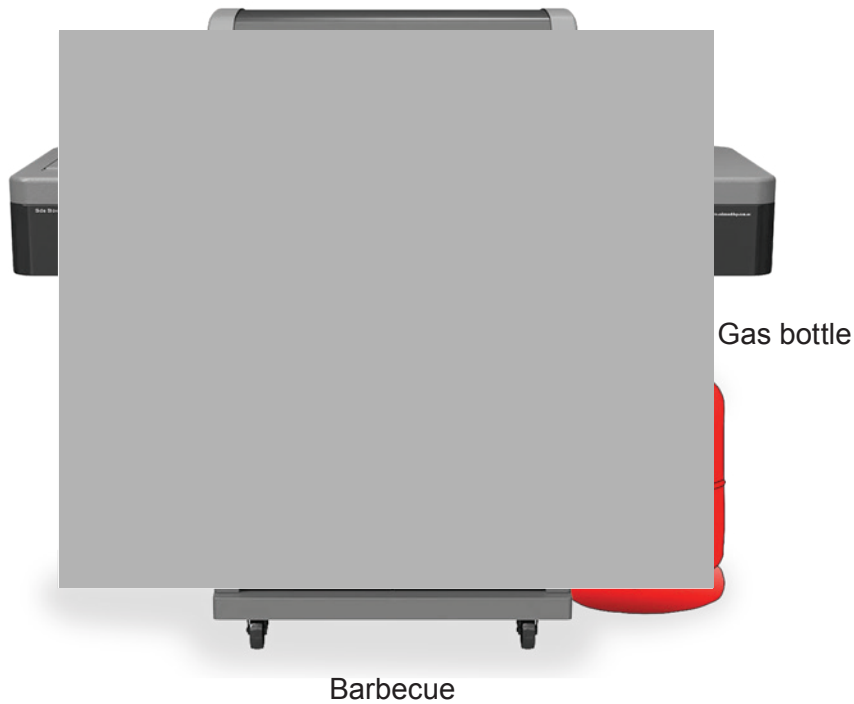
Te rorerore

Ka pau te 125 karamu o te kapuni i ia mura kapuni o te rorerore nei i te hāora.

- (b) Mehemea e rua hāora te roa o ngā mura kapuni e whā e kā ana, e hia te nui o te kapuni ka pau?

Tuhia mai tō whakautu hei karamu.

 g



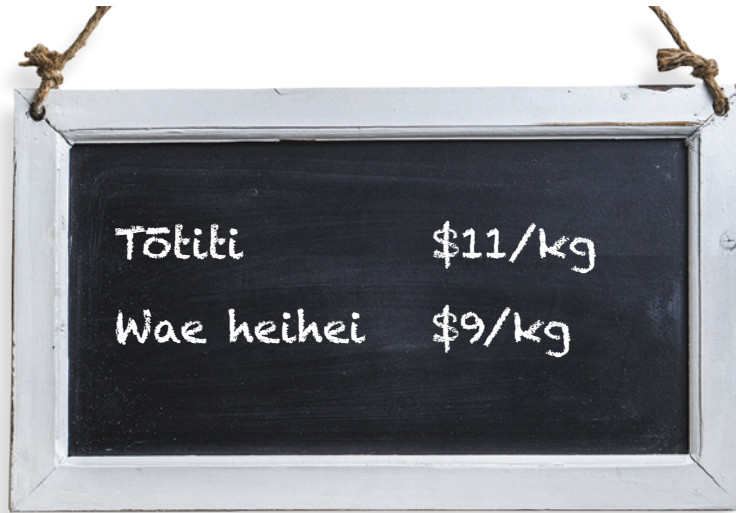
Each burner on this barbecue uses 125 grams of gas per hour.

- (b) If four burners are on for two hours, how much gas is used?

Give your answer in grams.

 g

Ka haere koe ki te hokomaha ki te hoko tōtiti me ngā wae heihei hei whāngai i te 33 tāngata.



Kei a koe te \$150 hei hoko mīti.

Ka hoko koe i te 5 kg o ngā tōtiti me te 4 kg o ngā wae heihei.

(c) Tōna hia nei ngā moni e toe ana?

Kōwhiria (✓) te whakautu pai katoa.

- (i) \$25 ☐
- (ii) \$30 ☐
- (iii) \$50 ☐
- (iv) \$60 ☐
- (v) \$90 ☐

You go to the supermarket to get sausages and chicken drumsticks for 33 people.



You have \$150 for meat.

You buy 5 kg of sausages and 4 kg of drumsticks.

(c) About how much money is left?

Select (✓) the best answer.

- (i) \$25 ☐
- (ii) \$30 ☐
- (iii) \$50 ☐
- (iv) \$60 ☐
- (v) \$90 ☐

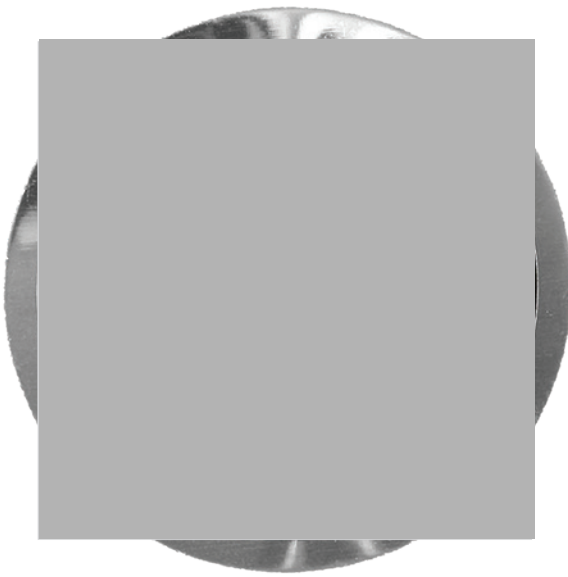
E whakaatuhia ana i tēnei ine-mahana te paemahana hei waeine tohuruau ($^{\circ}\text{C}$), hei waeine *Fahrenheit* ($^{\circ}\text{F}$) hoki.



- (d) E hia **atu anō** ngā waeine tohuruau me āpiti hei tohu i te wera haeretanga o te rorerore e eke ai tōna wera ki te 200°C ?

 $^{\circ}\text{C}$

This thermometer shows the temperature in degrees Celsius ($^{\circ}\text{C}$) and Fahrenheit ($^{\circ}\text{F}$).



- (d) How many **more** degrees Celsius does the barbecue need to heat up to reach 200°C ?

$^{\circ}\text{C}$

Te Huamata Rīwai me te Hēki

e 500 g o ngā rīwai
e 2 ngā hēki
125 mL o te kīnaki kōmā
e 2 ngā kokoiti o te winika
kōataata
e 4 ngā kokonui o te riki kōanga
kua kōripia



Ka rawaka i te tohutao o runga te huamata hei whāngai i ngā tāngata e **ono**.

(e) E hia **ngā hēki** me whai e rawaka ai te huamata mā ngā tāngata e 33?

ngā hēki

Egg & Potato Salad

500 g potatoes

2 eggs

125 mL mayonnaise

2 tsp white vinegar

4 tbsp chopped green onion



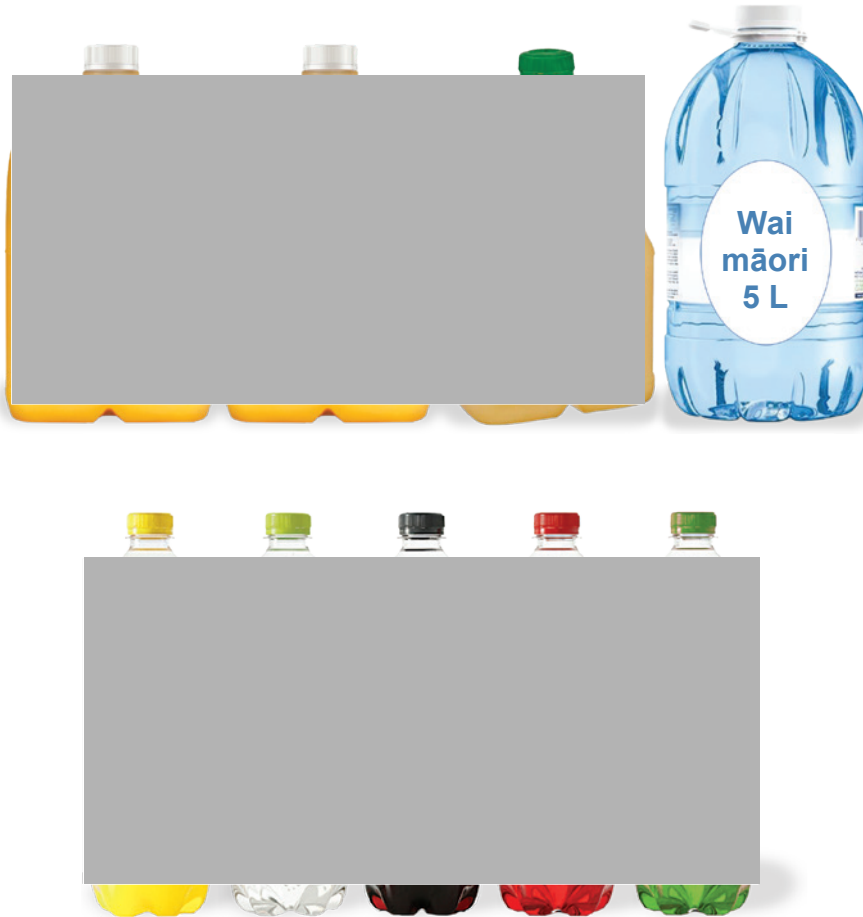
The recipe above makes enough salad for **six** people.

(e) How many **eggs** do you need to make enough salad for 33 people?

eggs

Anei ngā inu i te rorerore:

- E toru ngā pātara waireka, e 3-rita te rahi
- Kotahi te pātara wai, e 5-rita te rahi
- E rima ngā pātara inu mirumiru, e 2.25-rita te rahi.



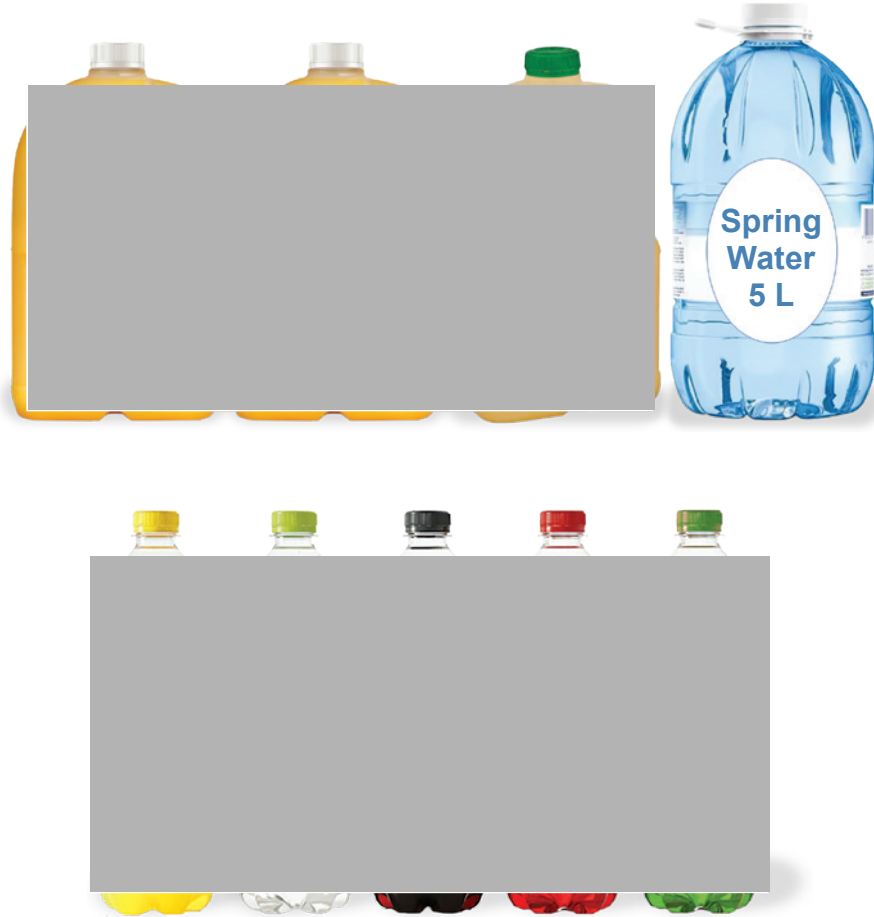
Ka pau i ia tangata tōna 750 ritamano.

(f) E rawaka ana ngā inu mā ngā tāngata e 33 katoa?

Whakaaturia mai te ara i whiriwhirihia ai tō whakautu.

At the barbecue there are:

- Three 3-litre bottles of juice
- One 5-litre bottle of water
- Five 2.25-litre bottles of soft drink.



Each person will drink about 750 millilitres.

(f) Is there enough drink for all 33 people?

Show how you worked out your answer.

TE TŪMAHI TUAWHĀ: Te papawīra



Kotahi ki te whā te ōwehenga o ngā kaieke papawīra wāhine ki ngā kaieke papawīra tāne i Aotearoa.

Eke papawīra ai te 30,000 taiohi i Aotearoa.

(a) E hia o ērā he **tāne**?

ngā kaieke papawīra tāne

Hokona atu ai tēnei papawīra mō te \$240.

Ā muri i te whakahekenga utu, ka \$180.

(b) E hia te ōrau o te **whakahekenga utu**?

%



QUESTION FOUR: Skateboards



The ratio of female to male skateboarders in New Zealand is 1 to 4.

30,000 young people skateboard in New Zealand.

(a) How many of them are **male**?

male skateboarders

This skateboard usually sells for \$240.

With a discount you only pay \$180.

(b) What percentage is the **discount**?

%



12 manomita i te hāora (km/h) te tere o te rere o tētahi kaieke papawāra.

(c) E hia **mita** ka wīrahia i te meneti kotahi?

 m


Hokona ai e tētahi toa ngā papa rerekē e whā. E waru ngā momo hoahoa e wātea ana kia utaina ki runga ki ngā papa e whā.



Ngā papa



Ngā hoahoa

(d) E hia katoa ngā kōwhiringa rerekē o te papa me te hoahoa?

 ngā kōwhiringa

A skateboarder is moving at 12 kilometres per hour (km/h).

- (c) How many **metres** does the skateboarder move in one minute?

m



A shop sells four different board decks. There are eight possible designs that can be put on any of the four board decks.



Board decks

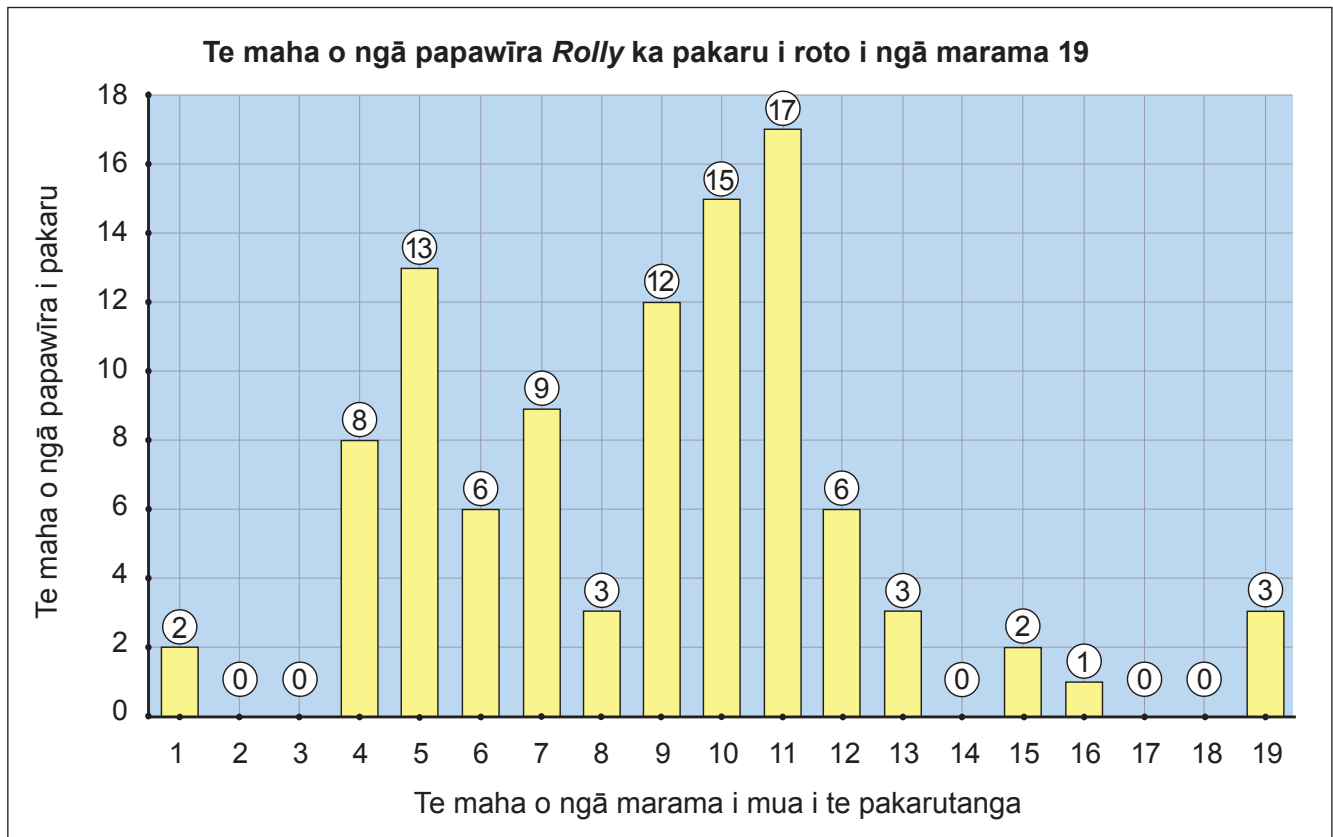


Designs

- (d) How many different combinations are there of board deck and design?

combinations

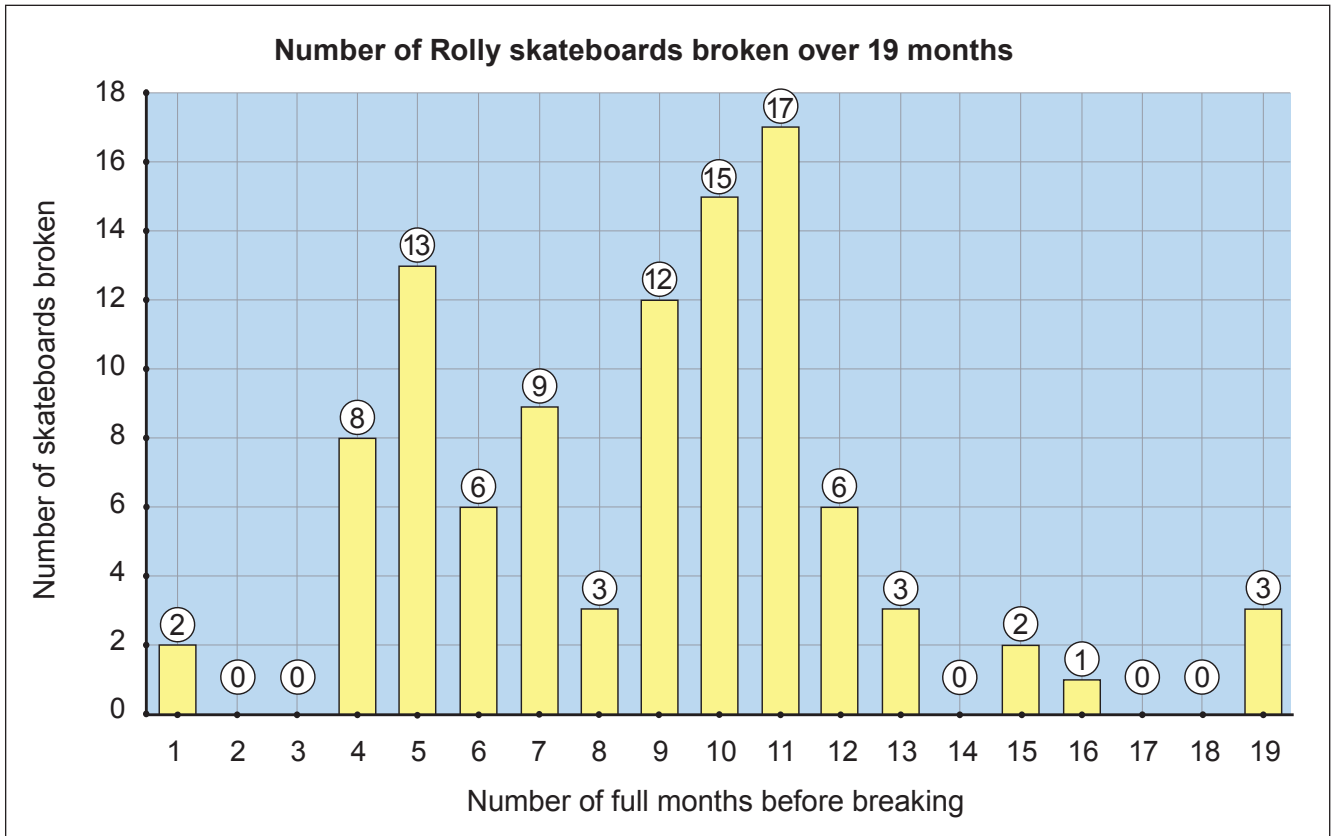
E whakaatuhia ana i tēnei kauwhata te roa ā-marama nei o te pai tonu o ngā papawīra *Rolly* kotahi rau i mua i te pakarutanga.



Hei tā *Rolly*, ka pai tonu te **toru-hauwhā** o ā rātou papawīra mō ngā marama **e ono**, ka roa ake rānei i tērā.

- (e) E tika ana tēnei? Whakamahia ngā nama o roto i te kauwhata hei whakamārama i tō whakautu.

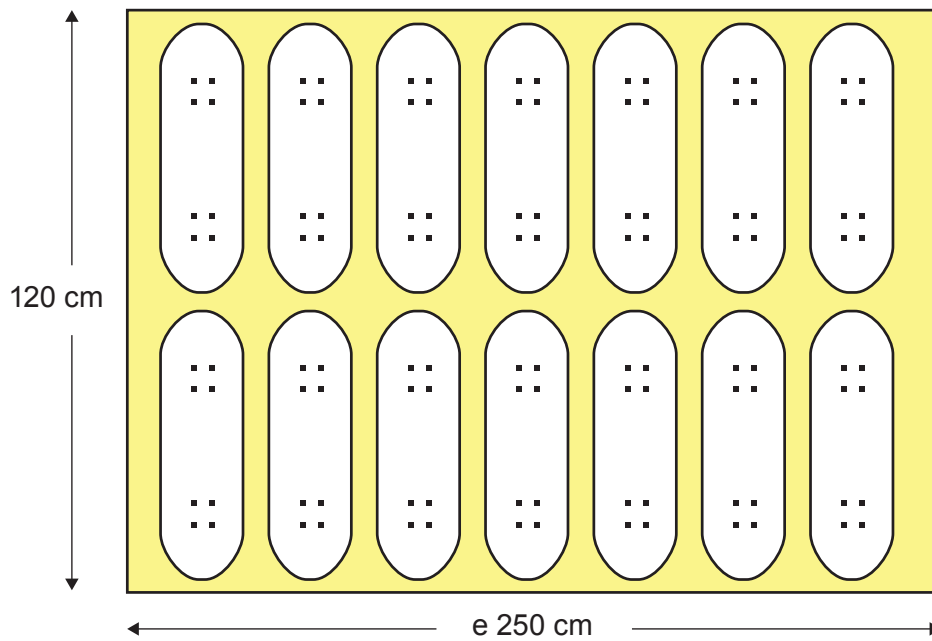
This graph shows how many months 100 Rolly skateboards lasted before breaking.



Rolly says **three-quarters** of their skateboards last **six** months or more.

(e) Is this true? Use numbers from the graph to explain your answer.

Whakamahia ai tētahi papa tāpatu hei hanga papa mō te papawāra.



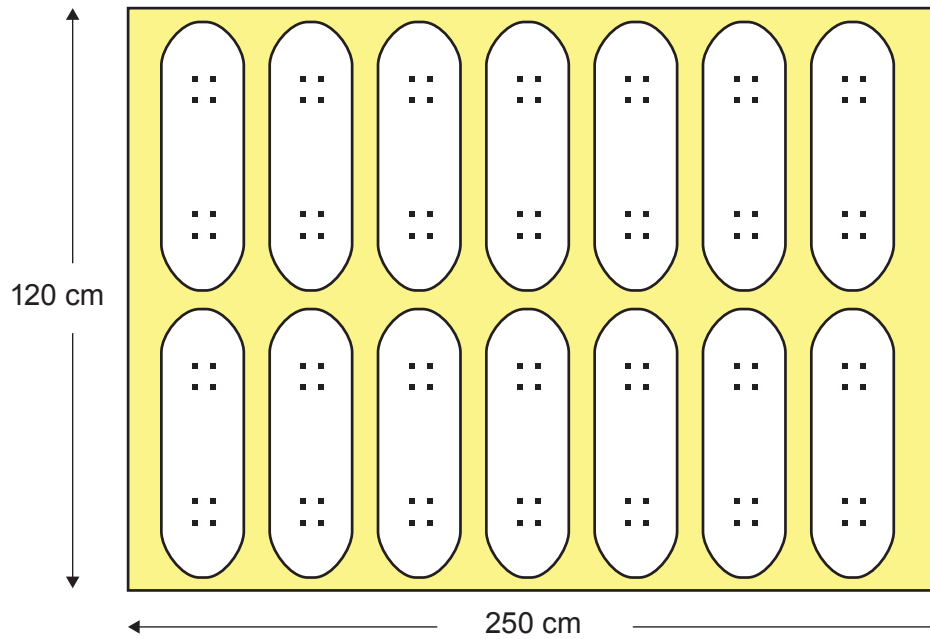
120 cm i te 250 cm te nui o te papa tāpatu.

E 20% o te papa tāpatu ka mōumou i te tukanga tapahi.

(f) E hia mitarau pūrua o te papa tāpatu ka mōumou?

 cm^2

A sheet of plywood is used to make skateboard decks.



The sheet measures 120 cm by 250 cm.

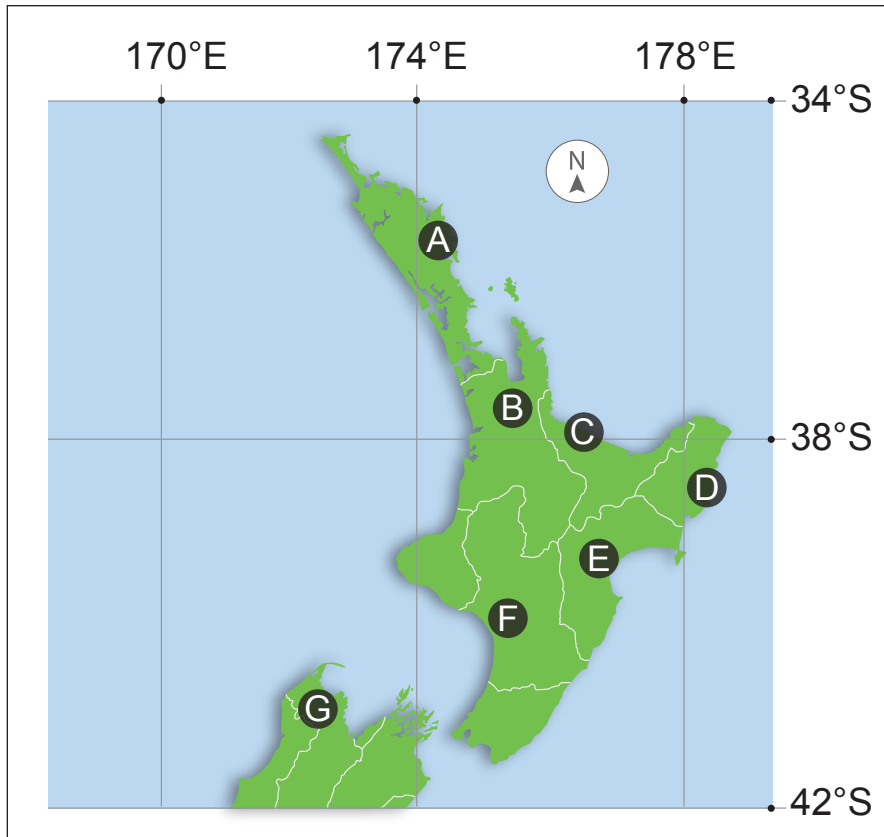
20% of the sheet is wasted in the cutting process.

(f) How many square centimetres of sheet are wasted?

cm²

TE TŪMAHI TUARIMA: Te huakiwi

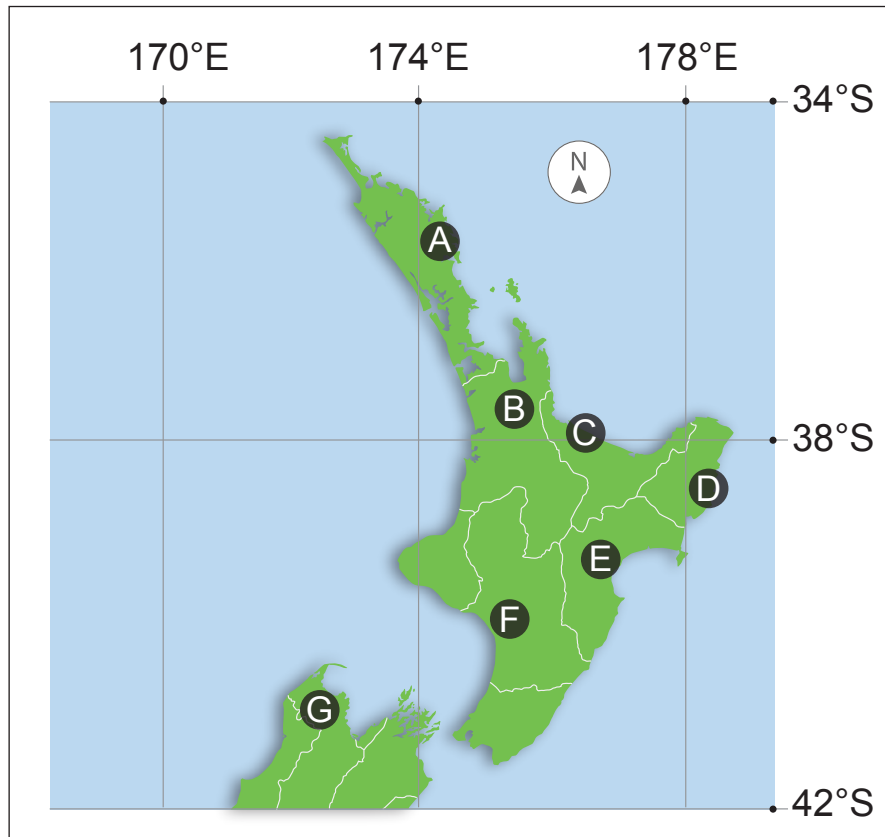
E whakaatuhia ana ngā wāhi matua e whakatupuria ai te huakiwi i Aotearoa hei reta i tēnei mahere.



(a) Ko tēhea **reta** kei te takiwā o te hononga o te 36°S me te 174.5°E?

QUESTION FIVE: Kiwifruit

The main kiwifruit growing areas of New Zealand are shown as letters on this map.



- (a) Which **letter** is at about 36°S and 174.5°E?



E hokona ana te huakiwi kōura mō te \$8.95 i te manokaramu.

Ka hoko koe i ngā huakiwi e waru, e 960 karamu te tapeke o te taumaha.

(b) Ka hia te utu **ki te 10 hēneti kātata katoa**?

\$

Ko te tapeke o te taumaha o ngā huakiwi e 20 ko te 2.4 manokaramu.

(c) E hia te taumaha toharite o tētahi huakiwi, hei **karamu**?

g



Golden kiwifruit is selling at \$8.95 per kilogram.

You buy eight kiwifruit with a total weight of 960 grams.

- (b) How much do you pay **to the nearest 10 cents**?

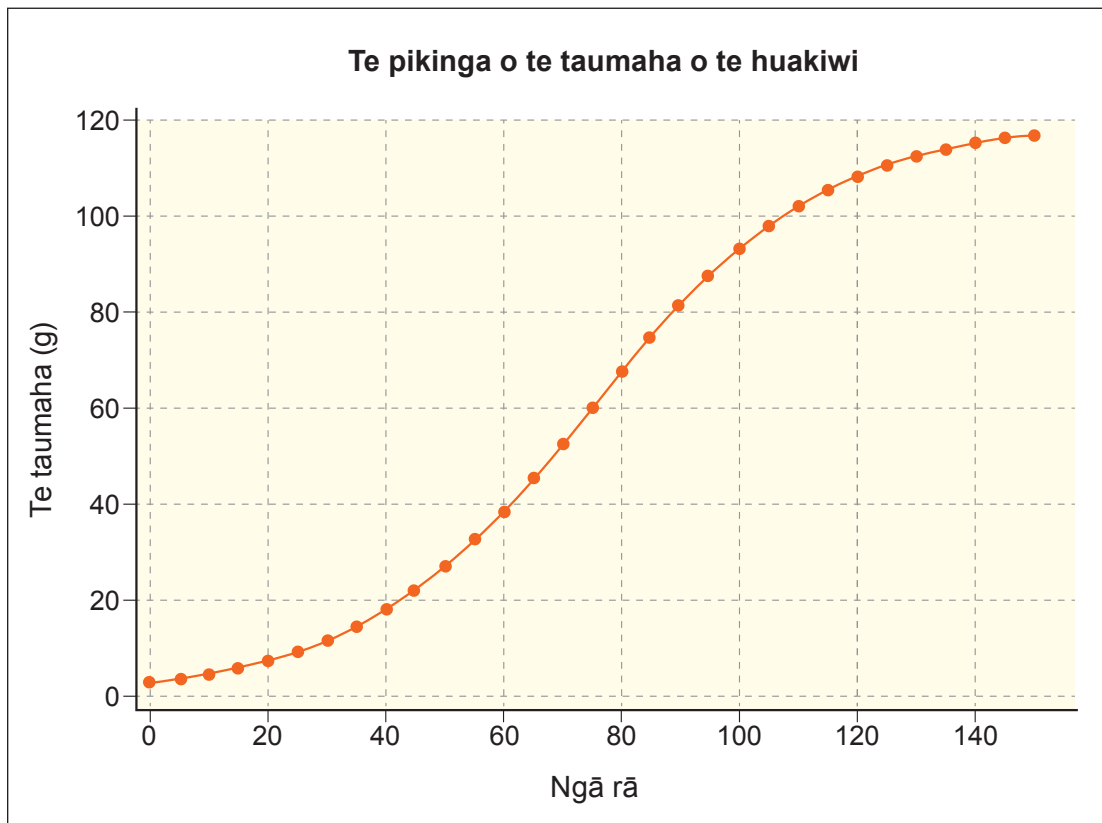
\$

The total weight of 20 kiwifruit is 2.4 kilograms.

- (c) What is the average weight of one kiwifruit, in **grams**?

g

E whakaatuhia ana i tēnei kauwhata te rerekē haere o te taumaha o tētahi huakiwi i tōna tupuranga.



(d) Ka piki te taumaha o te huakiwi ki te pāpātanga tere katoa i waenga i ēhea rā?

Kōwhiria (✓) te whakautu tika.

(i) Ngā rā 120–150 ☐

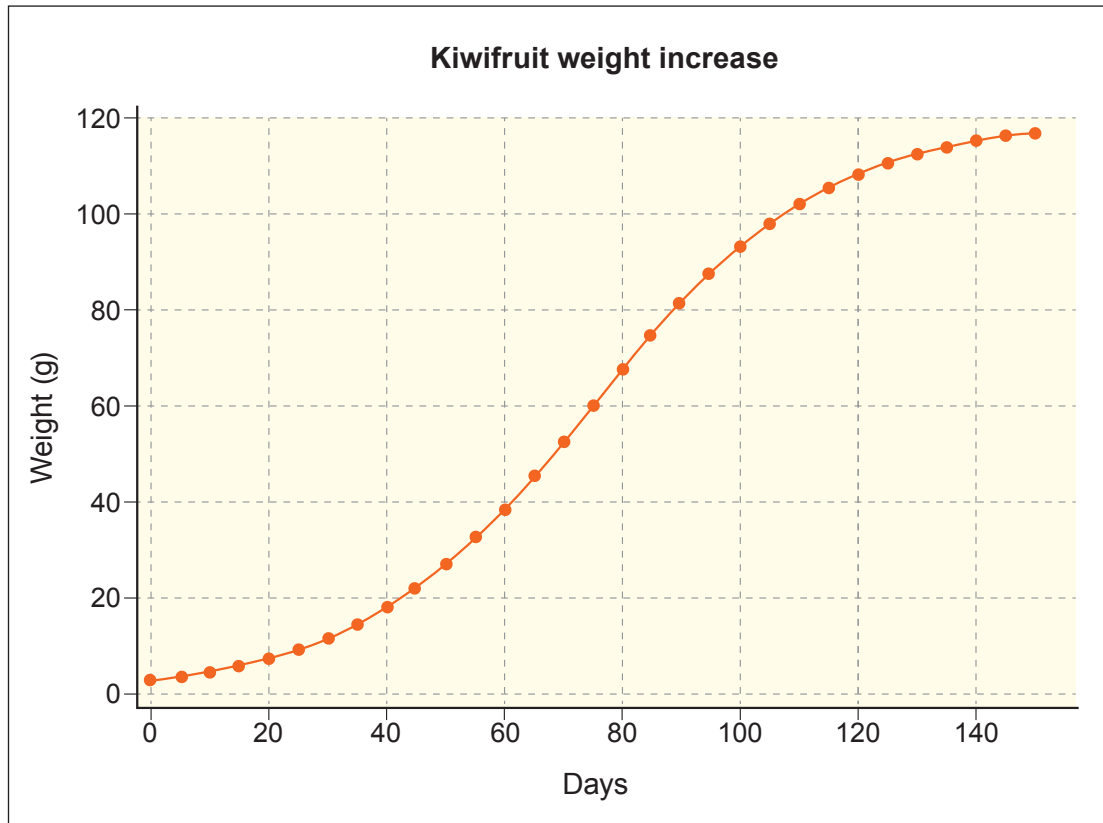
(ii) Ngā rā 95–115 ☐

(iii) Ngā rā 60–90 ☐

(iv) Ngā rā 35–55 ☐

(v) Ngā rā 0–30 ☐

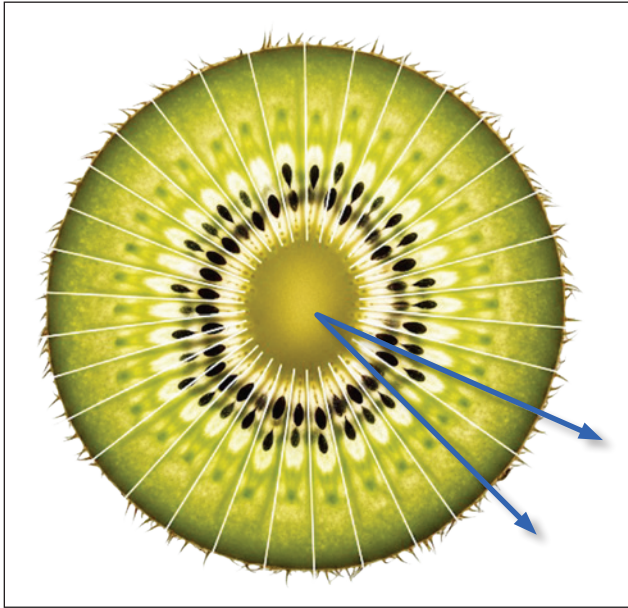
This graph shows how the weight of a kiwifruit changes as it grows.



(d) Between which days does the kiwifruit weight increase at the fastest rate?

Select (✓) the correct answer.

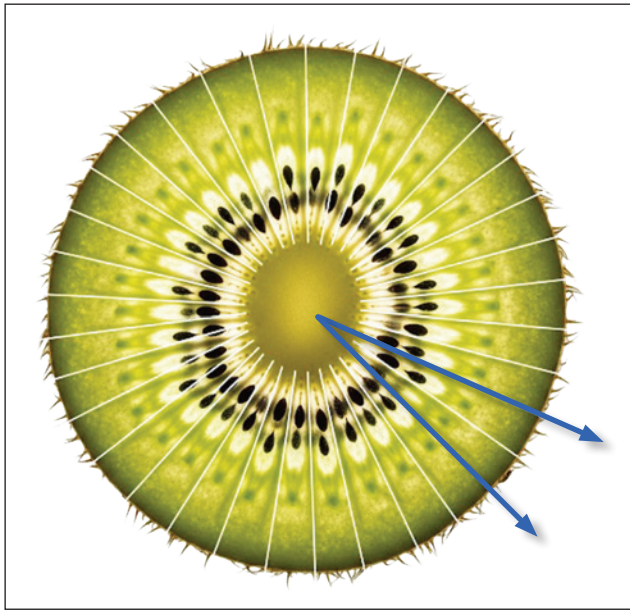
- (i) Days 120–150 ☐
- (ii) Days 95–115 ☐
- (iii) Days 60–90 ☐
- (iv) Days 35–55 ☐
- (v) Days 0–30 ☐



E 34 ngā wehenga ōrite o tēnei kotinga huakiwi. E whakaatuhia ana ngā wehenga e rua i waenga i ngā pere kikorangi e rua.

(e) E hia te koki toharite o ngā wehenga e rua, hei putu?

Whakaawhiwhia tō whakautu ki te **tauoti tata katoa**.



This kiwifruit slice has 34 equal sections. Two sections are shown between the blue arrows.

- (e) What is the average angle of the two sections, in degrees?

Round your answer to the **nearest whole number**.

 °

Ka uia ngā kaihoko mō te momo huakiwi e pai katoa ana ki a rātou.



Ā mohoa, anei te tapeke o ngā pōti:

- Kākāriki = 32
- Kōura = 57
- Whero = 71

(f) I te āhua o ēnei hua, e hia te tūponotanga ka whiriwhiri te kaihoko e whai ake ana i te whero?

Tuhia tō whakautu hei **ōrau**. Whakaawhiwhia tō whakautu ki te **tauoti tata katoa**.

 %

Shoppers are asked which kiwifruit they like the best.



So far, the votes are:

- Green = 32
- Golden = 57
- Red = 71

(f) Based on these results, what is the chance the next shopper will choose red?

Give your answer as a **percentage**. Round your answer to the **nearest whole number**.

 %

**He whārangi anō ki te hiahiatia.
Tuhia te tau tūmahi mēnā e hāngai ana.**

TE TAU
TŪMAHI

Extra space if required.
Write the question number(s) if applicable.

QUESTION
NUMBER

He mihi

Kua whakahāngaitia ngā rawa i tangohia ai i ngā puna e whai ake nei hei whakamahinga i tēnei aromatawai:

Te Tūmahi Tuatahi

- Te whārangi 2: Te pī mīere, <https://www.publicdomainpictures.net/en/view-image.php?image=613380&picture=isolated-honey-bee-cutout>
- Te whārangi 6: Te mīere, <https://www.pexels.com/photo/close-up-photo-of-a-honey-dipper-5634210/>
- Te whārangi 6: Te kauwhata, <https://figure.nz/chart/WNZOpEoBKRYz4hBh-41hBBK14IE2epurA>
- Te whārangi 10: Te wharepī me te ipu wai mīere, <https://www.motherearthnews.com/homesteading-and-livestock/sugar-syrup-recipe-for-feeding-bees-zbcz1403/>

Te Tūmahi Tuarua

- Te whārangi 12: Te hū omaoma, <https://pxhere.com/en/photo/673672>
- Te whārangi 16: Ngā hū konihi, <https://stock.adobe.com/images/shoes/36437082>
- Te whārangi 20: Ngā tirohanga hū, he mea waihanga ki te atamai hangahanga *generative*

Te Tūmahi Tuatoru

- Te whārangi 22: Te mata waea, he mea waihanga ki te atamai hangahanga *generative*
- Te whārangi 24: Te rorerore, <https://sydbbqs.com.au/products/coleman-revolution-4-burner-bbq-with-side-burner-black-gloss>
- Te whārangi 24: Te puoto kapuni, <https://www.rawpixel.com/image/6552169/image-public-domain-illustrations-line-art>
- Te whārangi 26: Te tohu, <https://freerangestock.com/photos/136916/close-up-of-a-blank-wooden-framed-black-chalkboard.html>
- Te whārangi 28: Te ine-mahana, https://www.alibaba.com/product-detail/Stainless-Steel-BBQ-Smoker-Grill-Thermometer_60693680366.html
- Te whārangi 30: Te huamata riwai me te hēki, <https://zestforcooking.com/2021/08/05/potato-and-egg-salad/>
- Te whārangi 30: Te pukatuhi, <https://www.pickpik.com/notepad-booklet-paper-notebook-pad-text-121698>
- Te whārangi 32: Te wai āporo, <https://www.mustakshif.com/product/detail/9339687084944/woolworths-apple-juice-3l>
- Te whārangi 32: Te āporo, <https://commons.wikimedia.org/wiki/File:Honeycrisp-Apple.jpg>
- Te whārangi 32: Te wai ārani, <https://www.woolworths.com.au/shop/productdetails/59237/daily-juice-co-orange-juice-no-added-sugar>
- Te whārangi 32: Ngā ārani, <https://commons.wikimedia.org/wiki/File:Orange-Fruit-Pieces.jpg>
- Te whārangi 32: Te pātara inu mirumiru, <https://liquid-library.co.nz/sprite-no-sugar-2-25l/>

Te Tūmahi Tuawhā

- Te whārangi 34: He tama e eke papawīra ana i te hopuni ekewīra, <https://www.pexels.com/photo/boy-jumping-and-skateboarding-at-skatepark-20162029/>
- Te whārangi 34: He papawīra, he mea waihanga ki te atamai hangahanga *generative*
- Te whārangi 36: He kaieke papawīra, <https://www.pexels.com/photo/a-person-in-beige-pants-using-a-skateboard-on-the-street-10111724/>
- Te whārangi 36: Ngā papa me ngā hoahoa, he mea waihanga ki te atamai hangahanga *generative*

Te Tūmahi Tuarima

- Te whārangi 42: Te mahere, [https://commons.wikimedia.org/wiki/File:Map_of_New_Zealand_\(blank\).svg](https://commons.wikimedia.org/wiki/File:Map_of_New_Zealand_(blank).svg)
- Te whārangi 44: Te whakaaturanga huakiwi kōura, he mea waihanga ki te atamai hangahanga *generative*
- Te whārangi 48: Ngā wehenga huakiwi, he mea waihanga ki te atamai hangahanga *generative*
- Te whārangi 50: Ngā ipu huakiwi, he mea waihanga ki te atamai hangahanga *generative*

Acknowledgements

Material from the following sources has been adapted for use in this assessment:

Question One

- Page 3: Honey bee, <https://www.publicdomainpictures.net/en/view-image.php?image=613380&picture=isolated-honey-bee-cutout>
- Page 7: Honey, <https://www.pexels.com/photo/close-up-photo-of-a-honey-dipper-5634210/>
- Page 7: Graph, <https://figure.nz/chart/WNZOpEoBKRYz4hBh-41hBBK14IE2epurA>
- Page 11: Beehive with syrup jar, <https://www.motherearthnews.com/homesteading-and-livestock/sugar-syrup-recipe-for-feeding-bees-zbcz1403/>

Question Two

- Page 13: Running shoe, <https://pxhere.com/en/photo/673672>
- Page 17: Sneakers, <https://stock.adobe.com/images/shoes/36437082>
- Page 21: Shoe views, created using generative AI

Question Three

- Page 23: Phone screen, created using generative AI
- Page 25: Barbecue, <https://sydbbqs.com.au/products/coleman-revolution-4-burner-bbq-with-side-burner-black-gloss>
- Page 25: Gas cylinder, <https://www.rawpixel.com/image/6552169/image-public-domain-illustrations-line-art>
- Page 27: Sign, <https://freerangestock.com/photos/136916/close-up-of-a-blank-wooden-framed-black-chalkboard.html>
- Page 29: Thermometer, https://www.alibaba.com/product-detail/Stainless-Steel-BBQ-Smoker-Grill-Thermometer_60693680366.html
- Page 31: Egg and potato salad, <https://zestforcooking.com/2021/08/05/potato-and-egg-salad/>
- Page 31: Notebook, <https://www.pickpik.com/notepad-booklet-paper-notebook-pad-text-121698>
- Page 33: Apple juice, <https://www.mustakshif.com/product/detail/9339687084944/woolworths-apple-juice-3l>
- Page 33: Apple, <https://commons.wikimedia.org/wiki/File:Honeycrisp-Apple.jpg>
- Page 33: Orange juice, <https://www.woolworths.com.au/shop/productdetails/59237/daily-juice-co-orange-juice-no-added-sugar>
- Page 33: Oranges, <https://commons.wikimedia.org/wiki/File:Orange-Fruit-Pieces.jpg>
- Page 33: Soft drink bottle, <https://liquid-library.co.nz/sprite-no-sugar-2-25l/>

Question Four

- Page 35: Boy skateboarding at skatepark, <https://www.pexels.com/photo/boy-jumping-and-skateboarding-at-skatepark-20162029/>
- Page 35: Skateboard, created using generative AI
- Page 37: Skateboarder, <https://www.pexels.com/photo/a-person-in-beige-pants-using-a-skateboard-on-the-street-10111724/>
- Page 37: Board decks and designs, created using generative AI

Question Five

- Page 43: Map, [https://commons.wikimedia.org/wiki/File:Map_of_New_Zealand_\(blank\).svg](https://commons.wikimedia.org/wiki/File:Map_of_New_Zealand_(blank).svg)
- Page 45: Golden kiwifruit display, created using generative AI
- Page 49: Kiwifruit sections, created using generative AI
- Page 51: Kiwifruit jars, created using generative AI

English translation of the wording on the front cover

32406M TERM 2

Draw a cross through the box (☒)
if you have NOT written in this booklet

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Mana Tohu Mātauranga o Aotearoa
New Zealand Qualifications Authority

Numeracy 2026

32406M Apply mathematics and statistics in a range of everyday situations

Credits: Ten

WEEK TWO | 25–29 MAY 2026

OUTCOMES

OUTCOMES	
1	Formulate mathematical and statistical approaches to solving problems in a range of everyday situations.
2	Use mathematics and statistics to meet the numeracy demands of a range of everyday situations.
3	Explain mathematical and statistical responses to situations.

Enter your National Student Number (NSN) and School Code into the space above.

You should attempt ALL the questions in this booklet.

If you need more room for any answer, use the extra space provided at the back of this booklet.

Check that this booklet has pages 2–55 in the correct order and that none of these pages is blank.

Do not write in the margins (|||||). This area will be cut off when the booklet is marked.

YOU MUST HAND THIS BOOKLET TO THE SUPERVISOR AT THE END OF THE EXAMINATION.