

Kia fakakatoatoa he tagata ka kamatamata

NSN

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School Code

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KE FAKAAOGA NI HE TAGATA
LEVEKI KAMATAMATA

See back cover for an English
translation of this cover

32406N MAGAAHO AOGA 3

Tohi e ikisi he puha (☒) ☐
kaeke kua NAKAI FAI mena a koe kua tohi he pepa nei.

+



Mana Tohu Mātauranga o Aotearoa
New Zealand Qualifications Authority

Numela 2025

**32406N Fakaaoga e tau puhala numela (mathematics)
mo e totou numela (statistics) ke he tau mena
tutupu kehekehe he tau aho**

Tau ola moua: Hogofulu

FAAHI TAPU KE UAAKI | 8–12 SEPETEMA 2025

TAU FAKAOTIAGA	
1	Fakakite ke he tau puhala numela (mathematics) mo e totou numela (statistics) e tau lagomatai ma e tau lekua ke he tau mena tutupu kehekehe he tau aho.
2	Fakaaoga ke he puhala numela (mathematics) mo e totou numela (statistics) ke moua e maamaaga ke he tau numela ma e tau mena kehekehe he tau aho.
3	Fakamaama fakanumela (mathematical) mo e fakatotou numela (statistical) e tau tali ke he tau mena kehekehe.

Tohi hifo haau a National Student Number (NSN) mo e School Code ke he puha i luga.

Lali ke tali OTI e tau huhu i loto he tohi nei.

Kaeke ke loa e ha tali haau, kia fakaaoga e lau toka noa i tua he tohi nei.

Fakakia e tohi nei kua hako e fakapapahiaga he tau laupepa numela 2–51 mo e nakai tokanoa ha lau na.

Aua neke tohi ki tua he tau laini kua vate hifo he faahi (/////). To utakehe e vala nei he magaaho ka maaka e pepa.

**KUA LATA IA KOE KE TUKU ATU E TOHI NEI KE HE TAGATA LEVEKI KAMATAMATA KA HOKO
E FAKAOTIAGA HE KAMATAMATA.**

VAGAHAU FAKA NIUE

HUHU TAHA: Tau ata kifaga

Ne fuafua he puha fakatata nei e tau tutuaga he tau ata kifaga ke tau tupe ne moua mai e lautolu.

Tuaga	Ata kifaga	Tau tupe ne moua
1	Tides of Aotearoa	\$1,629,000,000
2	Operation Sun Fall	\$1,239,000,000
3	Karate Keas	\$852,005,000
4	Lizardfire: The Final Showdown	\$750,000,000
5	Rebellion on Mars	\$711,800,000

Ne moua he *Phantom of Fiordland* \$1.108 e piliona.

- (a) Kaeke ke lalafi atu e ata kifaga nei ke puha fakatata na i luga, ko e to moua e tuaga fefe?

Fifili (✓) e tuaga hako.

- (i) ☐ 1
- (ii) ☐ 2
- (iii) ☐ 3
- (iv) ☐ 4
- (v) ☐ 5



QUESTION ONE: Movies

This table ranks movies by how much money they made.

Rank	Movie	Money made
1	Tides of Aotearoa	\$1,629,000,000
2	Operation Sun Fall	\$1,239,000,000
3	Karate Keas	\$852,005,000
4	Lizardfire: The Final Showdown	\$750,000,000
5	Rebellion on Mars	\$711,800,000

The Phantom of Fiordland makes \$1.108 billion.

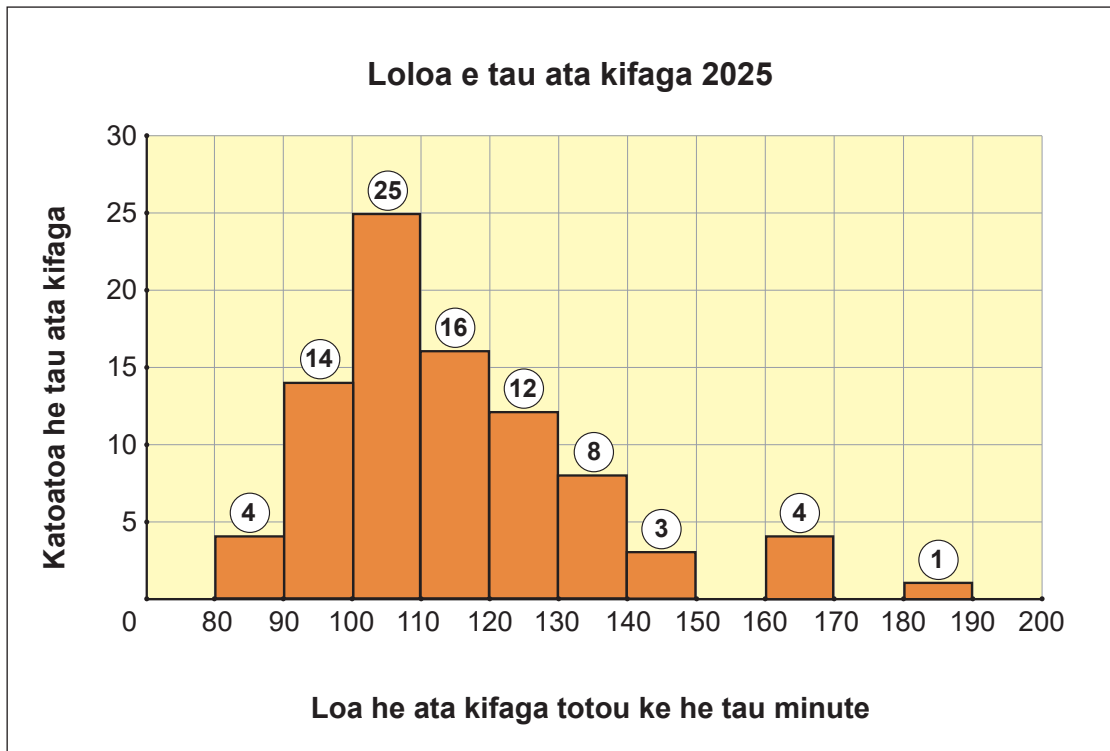
- (a) If the movie is added to the table above, what rank will it be?

Select (✓) the correct rank.

- (i) ☐ 1
- (ii) ☐ 2
- (iii) ☐ 3
- (iv) ☐ 4
- (v) ☐ 5



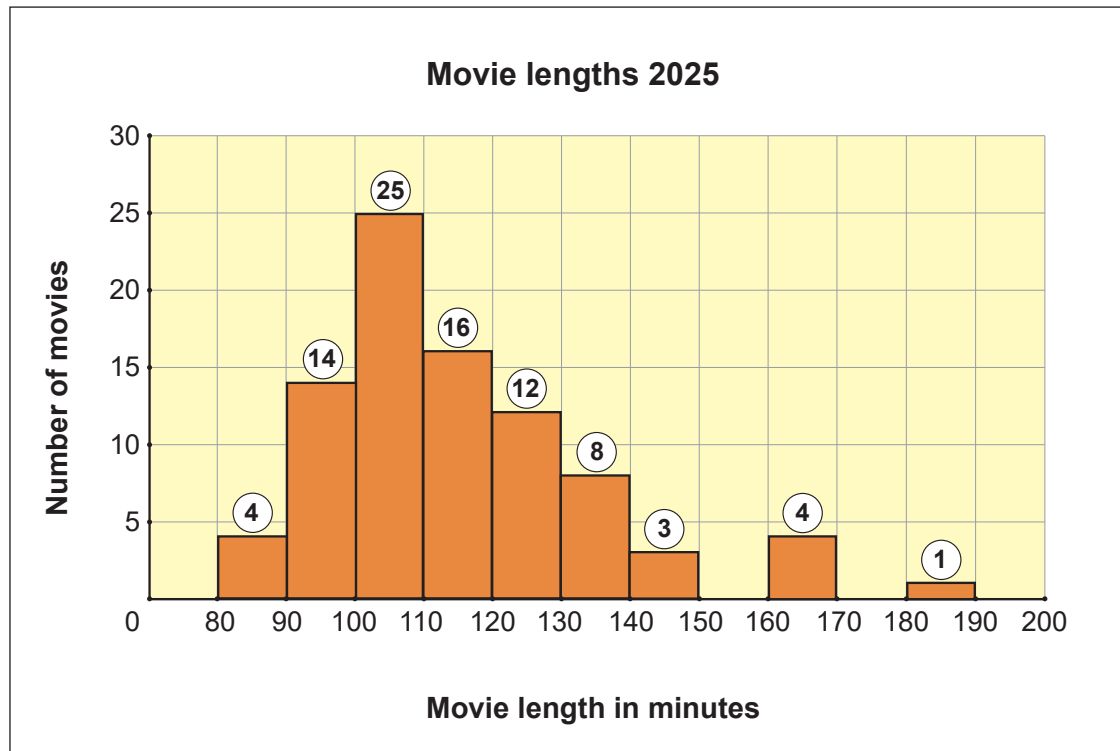
Fakakite he fakatino (graph) nei ko e loa fefe e tau ata kifaga he tau 2025.



Ne fakamau ke he taha pepa totou e fakatai ko e 20% mai he **87** he tau ata kifaga ne 130 e minute he loa po ke loa atu foki.

- (b) Hako nakai e pepa totou nei? Fakaaoga e tau numela mai he fakatino (graph) ke fakamaama aki haau a tali.

This graph shows movie lengths in 2025.



A magazine says about 20% of the 87 movies are 130 minutes long or longer.

(b) Is the magazine correct? Use numbers from the graph to explain your answer.

Manako i a koe ke kitia e ata kifaga *The Phantom of Fiordland*.



The Phantom of Fiordland

PG

 103 e minute

Tau magaaho kamata		
3:50 magaaho afiafi	5:55 magaaho afiafi	8:20 magaaho afiafi

Kamata e ata he 3.50 he magaaho afiafi mo e 103 e minute he loa.

(c) To fakaoti mai he tula fe?

magaaho afiafi

Ko e totogi he tau sikesi ata kifaga ma e ua e tagata lalahi, taha e tama aoga, mo e taha e tama tote ko e \$91 he katoa.

Ka totogi e koe \$10 ke hu atu ke he matakau CinemaAotearoa, to utakehe 20% he totogi he haau a tau sikesi.

(d) Fiha la haau a tupe ka mau ni ki a koe kaeke ke hu atu a koe ke he matakau na?

(Ua nimo ke lalafi ki ai e \$10 ke totogi ke hu atu ke he matakau na.)

\$

CinemaAotearoa

Totogi he tau sikesi	
\$25.00	Tagata lahi
\$21.50	Tama aoga (ka fai fakamooliaga)
\$19.50	Tama (14 mo e ki lalo hifo)

You want to see the movie *The Phantom of Fiordland*.



The Phantom of Fiordland

PG 103 min

Start times		
3:50 p.m.	5:55 p.m.	8:20 p.m.

It starts at 3:50 p.m. and lasts 103 minutes.

- (c) What time will it end?

 p.m.

Movie tickets for two adults, one student, and one child will cost you \$91 in total.

If you pay \$10 to get a CinemaAotearoa membership, you will get 20% off all ticket prices.

- (d) How much will you save on the tickets if you get a membership?

(Don't forget to include the \$10 cost of membership.)

\$

CinemaAotearoa

Ticket prices	
\$25.00	Adult
\$21.50	Student (with ID)
\$19.50	Child (14 & under)

Manako i a koe ke fakatau taha e puha popcorn lahi, ua e inu lalahi, mo e taha e asekulimi.

Totogi he tau kai ikiiki

	Tote	Vahaloto	Lahi
Popcorn	\$10	\$11	\$12
Inu	\$8	\$9	\$10
Asekulimi	Taki \$7		

Popcorn lahi, 2 e tau inu lalahi

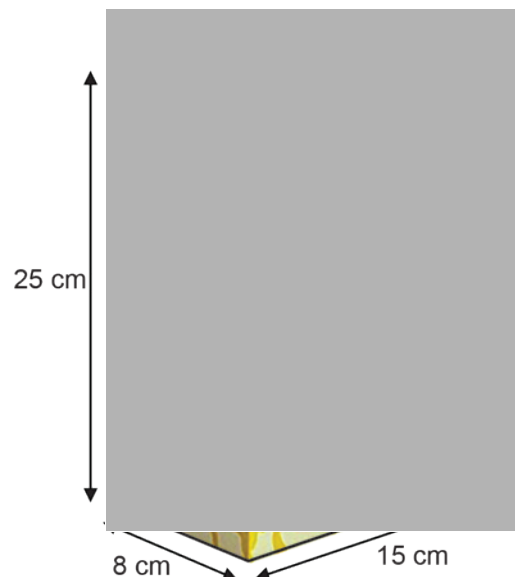
Kai lafilafi (combo)

- (e) Tau tote mai nakai ke fakatau e tau kai lafilafi (combo) nei mo e asekulimi, po ke totogi e tau totogi he tau kai ikiiki fa mahani? Fakamaama mai haau a tali, mo e fakaaoga he tau vala tala na i luga.

Ha nei e tau fuafua laulahi he puha popcorn.

- (f) Fiha e lahi he lita ne maeke he puha ke moua?

Mailoga: 1 lita = 1000 cm³



You want to buy one large popcorn, two large drinks, and one ice cream.

Snack prices

	Small	Medium	Large
Popcorn	\$10	\$11	\$12
Drink	\$8	\$9	\$10
Ice cream	\$7 each		

Large popcorn, 2 large drinks

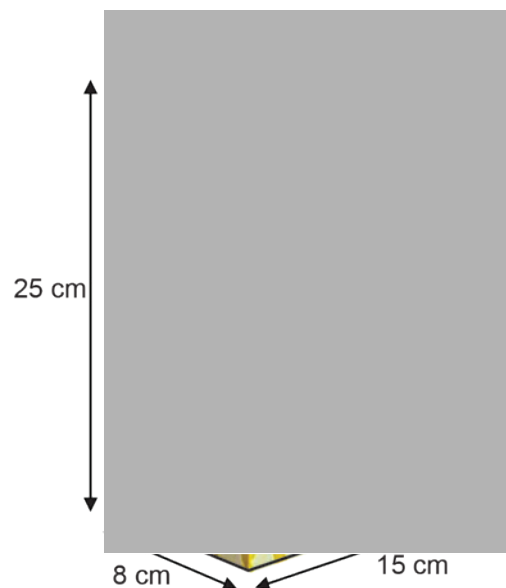
Combo \$29.40

- (e) Is it cheaper to buy the combo with the ice cream added, or pay the usual snack prices? Explain your answer, using the information above.

Here are the dimensions of a popcorn box.

- (f) How many litres does the box hold?

Note: 1 litre = 1000 cm³



HUHU UA: Malolo Tino

Ha ha ki ai 206 e polohui motua he tino he tagata.

Matakavi ke 12% he tau polohui motua ne moua ki loto he kahokaho (rib cage).

(a) Katoa ke fiha e polohui motua kahokaho?

polohui motua kahokaho

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The assessment continues on page 12.**

QUESTION TWO: Health

There are 206 bones in the human body.

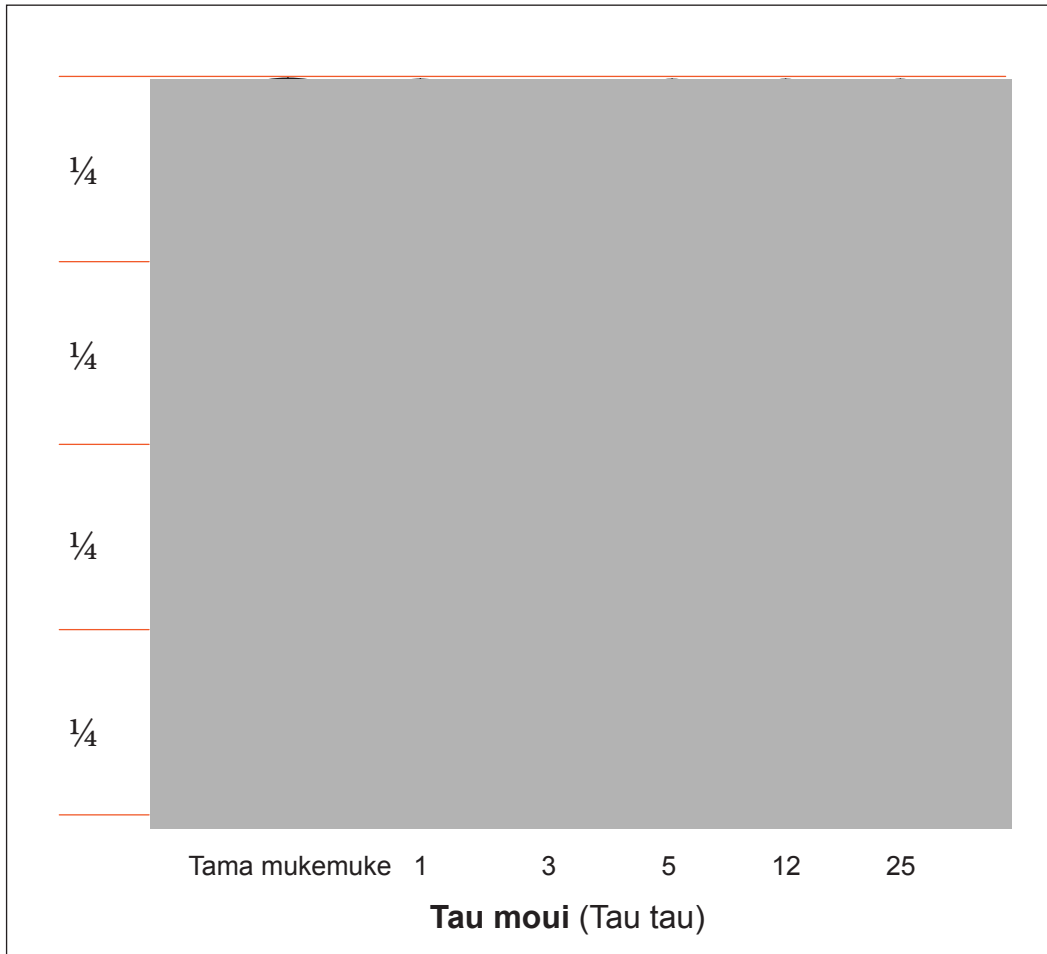
About 12% of all the bones are found in the rib cage.

- (a) How many rib bones are there?

rib bones

**This section is deliberately blank.
The assessment continues on page 13.**

Ko e fakatino nei ne fakakite ko e magaaho ka tutupu hake e tau tagata, to ikiiki hifo e ha lautolu a tau fua ulu ke fakatatai ke he loa he tino. Ko e fua ulu he tama taha e tau moui ne kuata e fuafuaaga ke he loloa he tau tino.

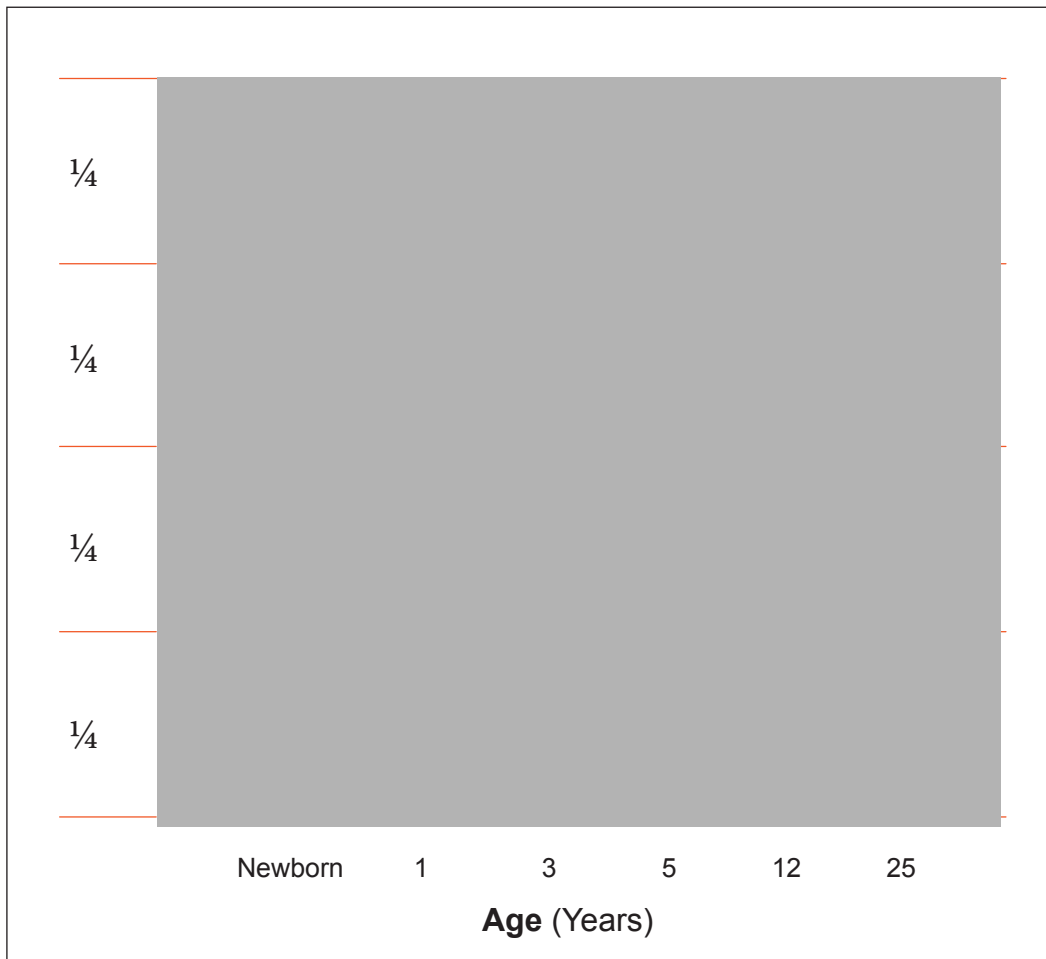


- (b) Ko e heigoa e tuaga he fuafuaaga he loa he **tama mukemuke** ne totou ko e loa he he ulu he tama?

Fifili (✓) e tuaga hako.

- (i) ☐ $\frac{1}{4}$
- (ii) ☐ $\frac{1}{3}$
- (iii) ☐ $\frac{3}{5}$
- (iv) ☐ $\frac{4}{5}$
- (v) ☐ $\frac{1}{2}$

This diagram shows that as people grow up, their head becomes a smaller fraction of their total height. A one-year-old's head is one quarter of how tall they are.



(b) What fraction of a **newborn** baby's height is their head?

Select (✓) the correct fraction.

- (i) ☐ $\frac{1}{4}$
- (ii) ☐ $\frac{1}{3}$
- (iii) ☐ $\frac{3}{5}$
- (iv) ☐ $\frac{4}{5}$
- (v) ☐ $\frac{1}{2}$

Ko totogi he Automated External Defibrillator (AED) ko e \$2,760.

(c) Fiha ke fakafua kaeke ke tuku hifo 30%?

\$

Ko e magaaho ka taute ai e Cardiopulmonary Resuscitation (CPR), kua lata tonu a koe ke peehi e fatafata he tagata ke he fafatiaga laga 100 ke he 120 he taha e minute.

(d) Ko e heigoa e numela **lahi** ke he tau peehi kua lata i a koe ke taute he 8 e tau minute?

tau peehi

An Automated External Defibrillator (AED) costs \$2,760.

- (c) How much would it cost with a 30% discount?

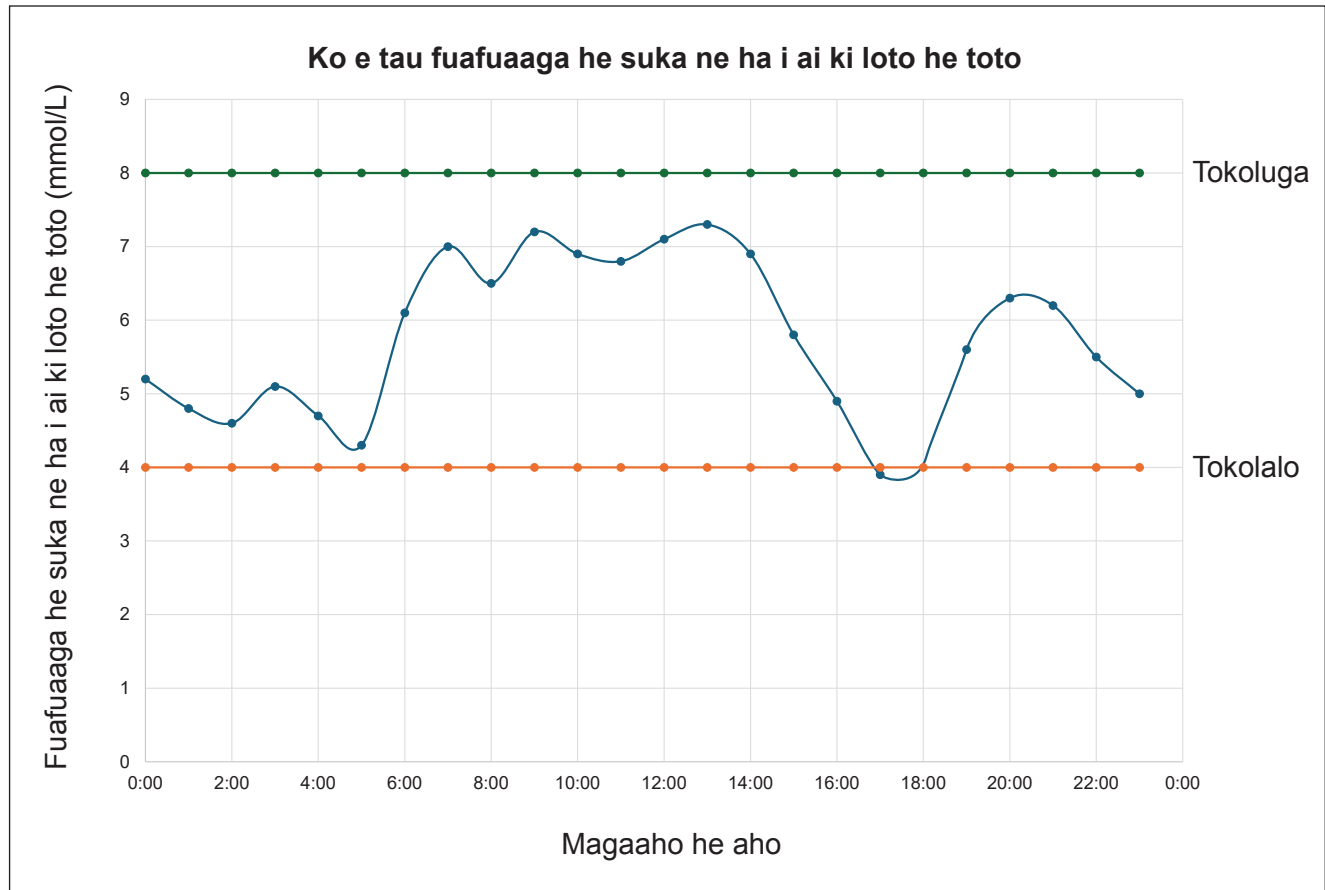
\$

During Cardiopulmonary Resuscitation (CPR), you need to push on the person's chest at a rate of 100 to 120 times per minute.

- (d) What is the **greatest** number of pushes you should do in 8 minutes?

pushes

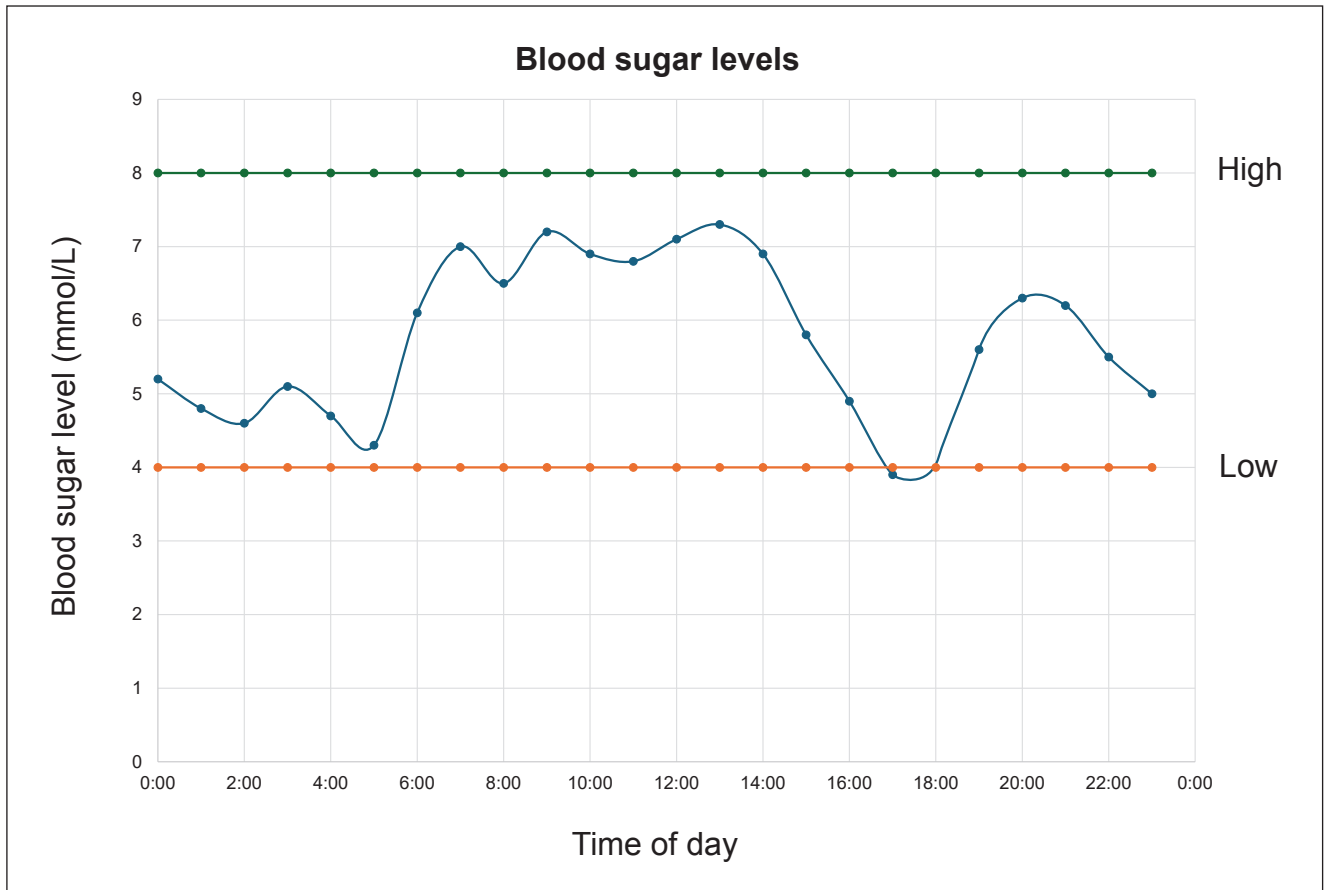
Fakakite he fakatino na i lalo e lahi he suka ke he toto he tagata.



Ne finatu e tagata nei ke poi ke he taha e tula, **kamata** he matahola 6 he magaaho pogipogi.

- (e) Kua fakalaga ka he poi haana ati hake ai e fuafuaaga he haana a suka? Fakaaoga e tau numela mai he fakatino (graph) ke fakamaama aki haau a tali.

The graph below shows a person's blood sugar levels.



This person went for a one-hour run, **starting** at 6:00 a.m.

- (e) Did the run cause their blood sugar level to rise? Use numbers from the graph to explain your answer.

Ko e tau aho laa he vaha mafana, maeke he kili haau ke vela he 12 ni e minute.

Kua talaga e vai SPF 30+ ke puipui aki a koe ke ua vela e kili ke laga **30** e loa atu e puipui kaeke ke fakaaoga tumau e koe.

- (f) Fiha e **tula** ne maeke he tagata ke nofo he laa mo e kua vali aki e vai puipui SPF 30+ e tino, mo e nakai vela?

tau tula

On a sunny summer day, your skin can burn in just 12 minutes.

SPF 30+ sunscreen is meant to protect you from sunburn for **30** times longer if you use it regularly.

- (f) How many **hours** can a person be in the sun with SPF 30+ sunscreen on, without burning?

hours

HUHU TOLU: Tau vesetapolo

Fakakite he fakatino na i lalo e ko e fiha e vala mai he tau vahega menakai ne kua lata i a koe ke kai he tau aho taki taha.

Tau fua lakau mo e tau	Fua falaoa, laisi, tau fua pateta,
	
tau fufua moa, tau sega pine, mo e falu foki e tau menakai ne toka ai e huhua protein mo e nakai ha i ai e huhua mai he huhu povi	Tau menakai mo e tau menainu ne tokoluga e gako mo e/po ke suka menakai ne toka ai e huhu povi.

Kua lata i a koe ke kai **lima** e fufuta helu he tau fua lakau mo e tau vesetapolo he tau aho oti ke tumau e tau malolo tino.

- (a) Fiha e fufuta helu, he katoa, ne kua lata i a koe ke kai he tau aho oti mai he tau vahega menakai?

tau fufuta helu

QUESTION THREE: Vegetables

The image below shows the fractions of each food group you should eat every day.

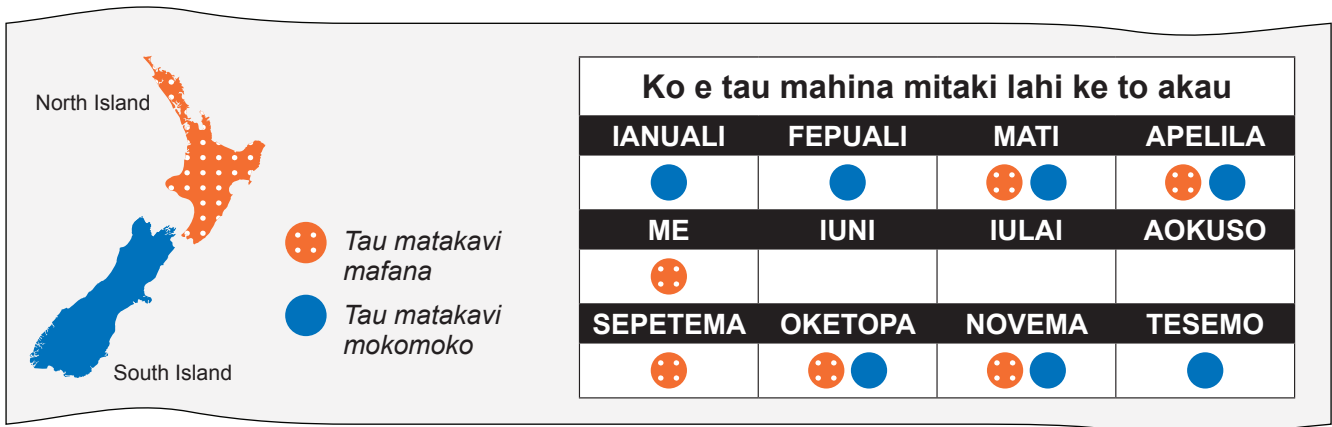


You need to eat **five** servings of fruit and vegetables every day to stay healthy.

- (a) How many servings, in total, should you eat each day from each of the food groups?

servings

Ko e fakatino na i lalo na moua mai he tua he afi sega kalose. Fakakite he fakatino e tau mahina ne kua muaatu e mitaki ke to e tau sega he tau matakavi kehekehe i Niu Silani.



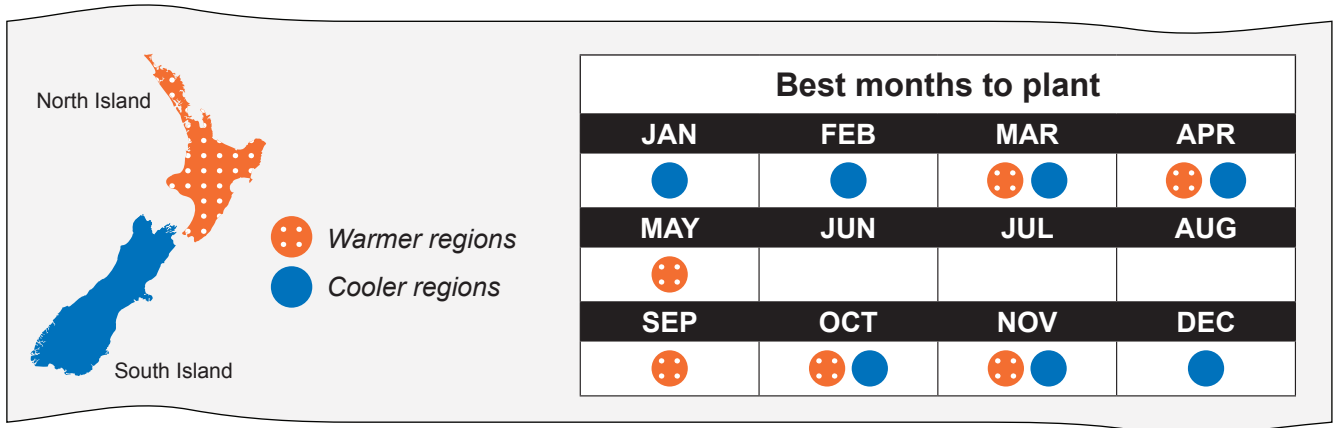
Fakatau e koe e tau sega kalose i a **Iuni**.

- (b) Ko e heigoa e mahina fakamua he mole e fakatau mai e tau sega kalose ne kua lata i a koe ke to he taha motu ko e North Island?

Fifili (✓) e mahina hako.

- (i) ☐ IULAI
- (ii) ☐ AOKUSO
- (iii) ☐ SEPETEMA
- (iv) ☐ OKETOPA
- (v) ☐ NOVEMA

The image below is from the back of a packet of carrot seeds. It shows the best months to plant the seeds in the different regions of New Zealand.



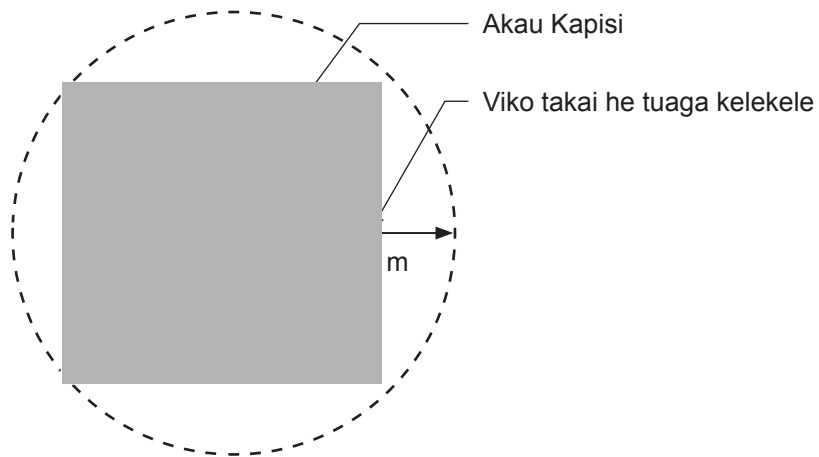
You buy the carrot seeds in **June**.

- (b) What is the earliest month after buying that you should plant the carrot seeds in the North Island?

Select (✓) the correct month.

- (i) ☐ JUL
- (ii) ☐ AUG
- (iii) ☐ SEP
- (iv) ☐ OCT
- (v) ☐ NOV

Moui mitaki e tau kapisi he magaaho ka iga ni mo e viko takai aki e haana ni a vala kelekele ne kavi ke 25 e senetemita.



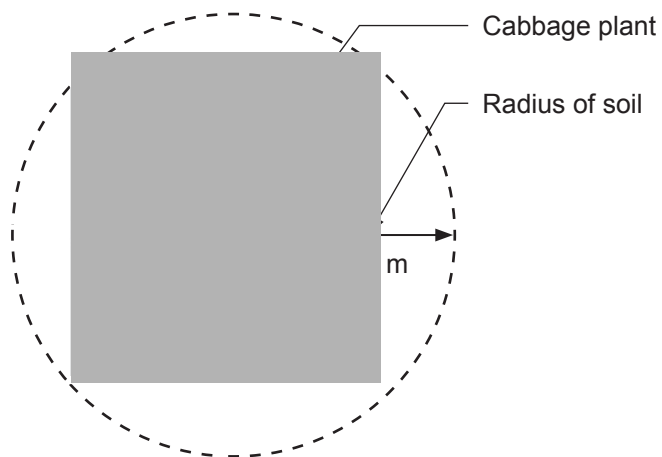
Ko e katene ne loa e fakatokaaga ne fuafua ke he 2 e mita fakalahi aki e 4.5 e mita.



- (c) Ko e heigoa e numela lahi he tau kapisi ne maeke ke to ki loto he katene, ke maeke ke moui olaola?

tau kapisi

Cabbages grow well when they have their own circle of soil with a radius of about 25 centimetres.



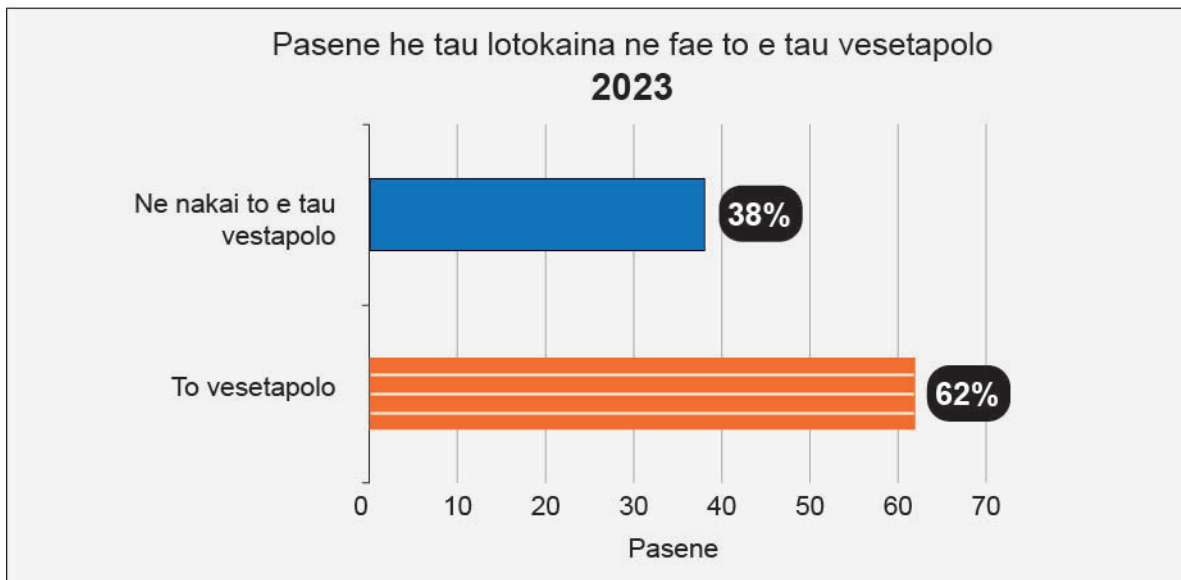
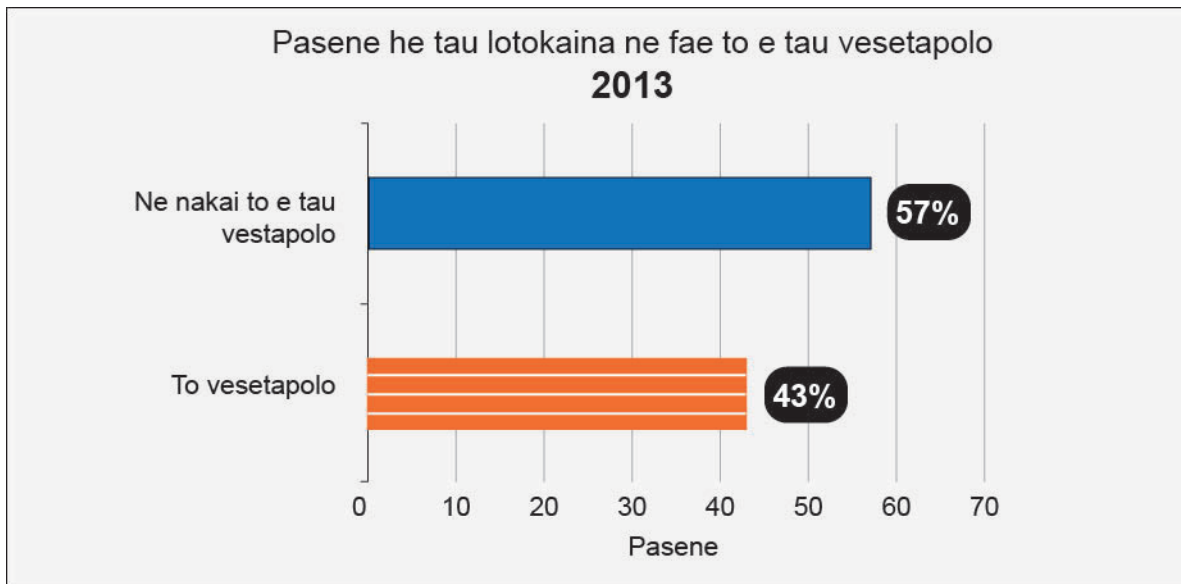
A rectangle-shaped garden measures 2 metres by 4.5 metres.



- (c) What is the greatest number of cabbages that can be planted in the garden, so that they grow well?

cabbages

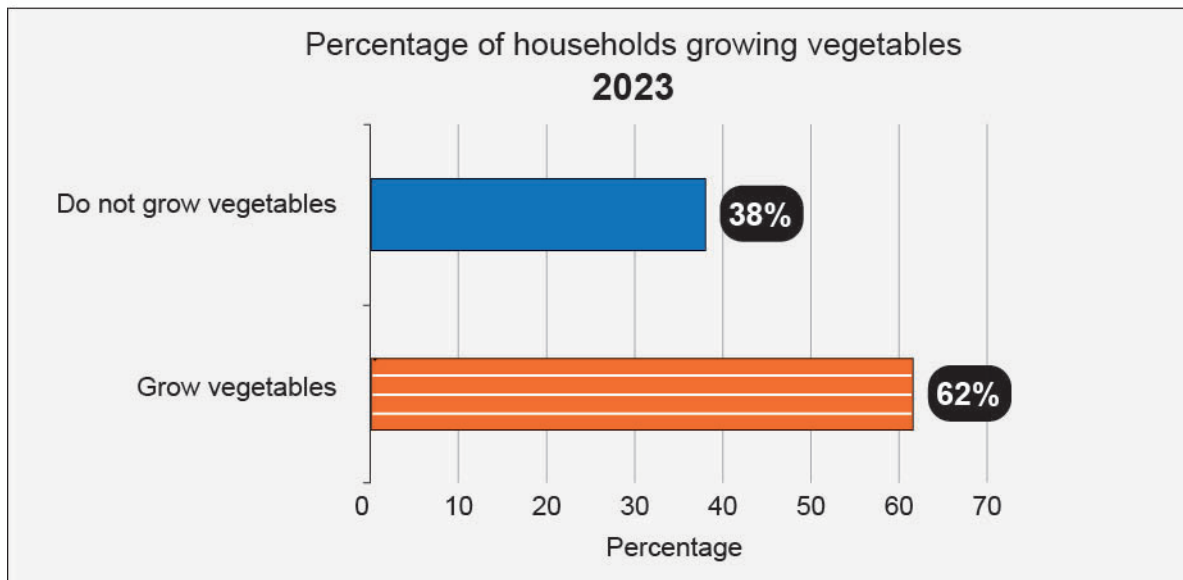
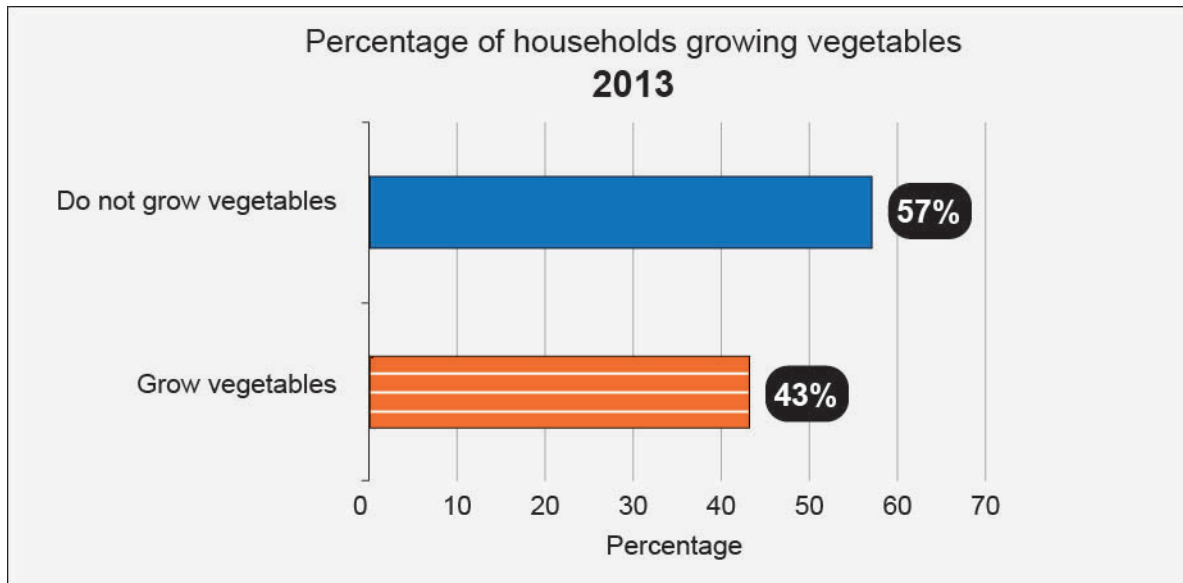
Ko e fakatino (graph) na i lalo ne fakakite e pasene he tau lotokaina i Niu Silani ne to e tau vesetapolo he tau 2013 mo e 2023.



(d) Fifili (✓) **taha** e talahauaga ne **fakaaoga fakahako** e tau valatala mai he tau fakatino (graph).

- (i) ☐ Tote hifo e tau kai vesetapolo he tau tau lotokaina he tau tau 2013 mo e tau 2023.
- (ii) ☐ Kavi ke tolu mai he lima e lotokaina ne to e tau vesetapolo he tau 2023.
- (iii) ☐ Kua katoa e 10 e tau tau, ne malikiti hake 62% he tau kaina ne to vesetapolo.
- (iv) ☐ Tote hifo e tau kai vesetapolo he tau lotokaina he tau tau 2013 mo e tau 2023.

The graphs below show the percentage of households in New Zealand that grew vegetables in 2013 and 2023.



(d) Select (✓) **one** statement that **correctly uses** information from the graphs.

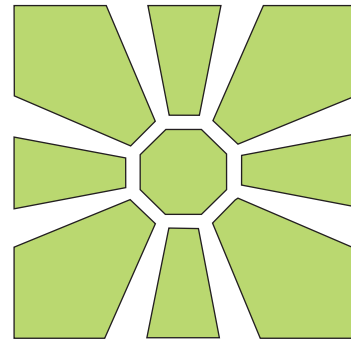
- (i) ☐ Households ate less vegetables in 2013 than in 2023.
- (ii) ☐ About three in every five households grew vegetables in 2023.
- (iii) ☐ Within 10 years, there was a 62% increase in households growing vegetables.
- (iv) ☐ Fewer households grew vegetables in 2023 than in 2013.

Fakakite he fakatino e taha fakataitai ma e katene vesetapolo.

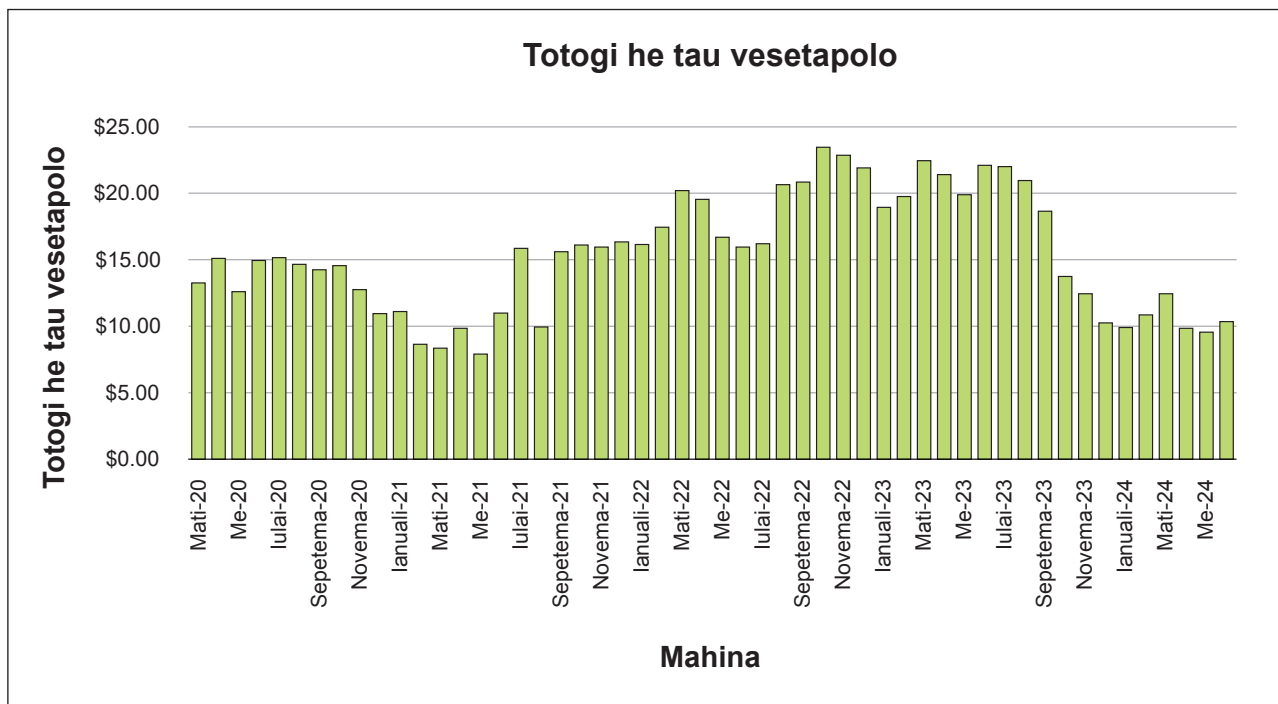
(e) Fiha e laini (lines of symmetry) he fakatai nei ne tatai?



tau laini ne tatai



Fakakite he fakatino (graph) nei e hikiaga he totogi he tau vesetapolo mai he taha vaha ke he taha vaha.



Hiki e tau totogi he tau vesetapolo i Niu Silani he tau, uta ni ke he fuafuaaga matagi.

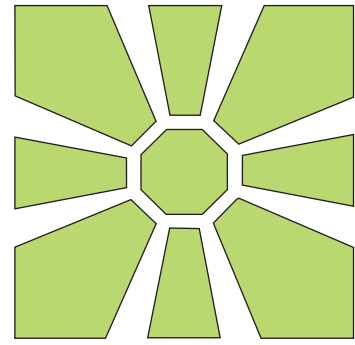
Ko e taha tohi ne kitia ke he kupega hila ne totou, “Fa mahani ke tokolalo lahi e tau totogi vesetapolo he mahina i a Me.”

(f) Hako nakai e mataulu tala nei? Fakaaoga e tau mahina mo e tau totogi mai he fakatino (graph) ke fakamaama aki haau a tali.

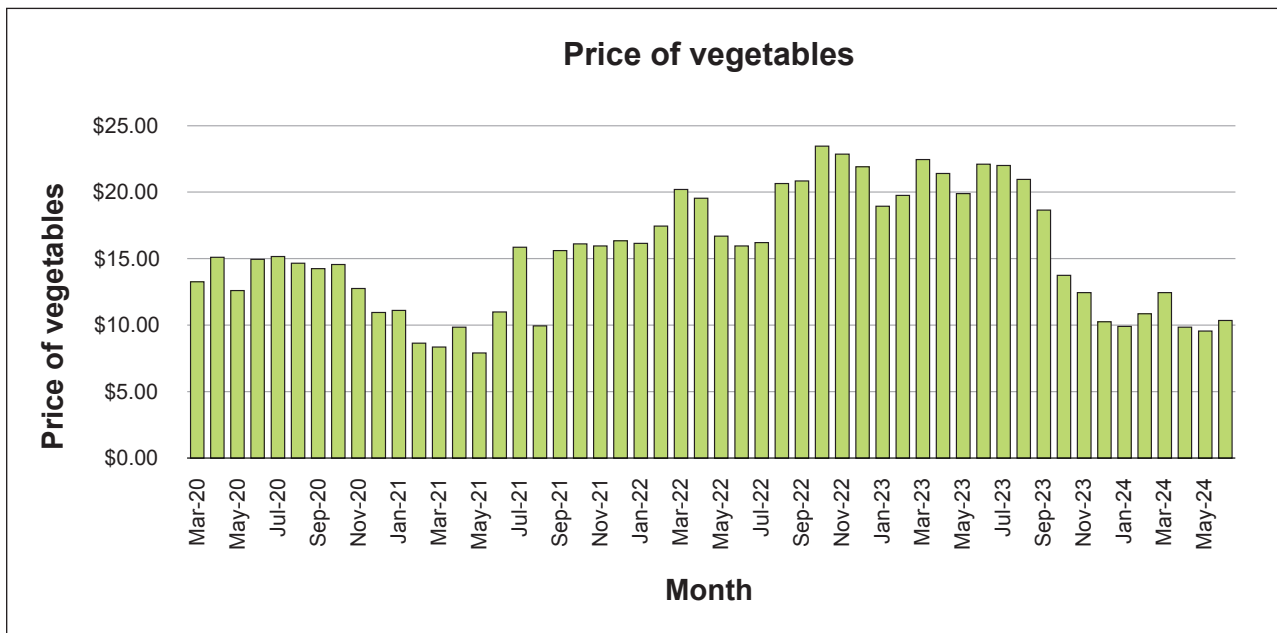
This image shows a design for a vegetable garden.

- (e) How many lines of symmetry does this design have?

lines of symmetry



This graph shows how the price of vegetables has changed over time.



The price of vegetables in New Zealand changes during the year, depending on the weather. An online post reads, “Vegetable prices are usually lowest in May.”

- (f) Is the headline correct? Use months and prices from the graph to explain your answer.

HUHU FA: Tau e-scooter

Maeke he e-scooter ke fakatau kaeke ke totogi aki e tupe pepa po ke totogi valavala he 18 e mahina.

E-SCOOTER

Totogi aki e tupe pepa
ko e \$1,449
PO KE
fakatokaaga 18 e ma

Totogi \$300 he magaaho
ti tolu e totogi \$430 he ta
mahina ke ono aki.

- (a) Fiha **atu** e totogi ke fakaaoga ni he palana ne 18 e mahina ka e ua totogi aki e fafatiaga tupe pepa?

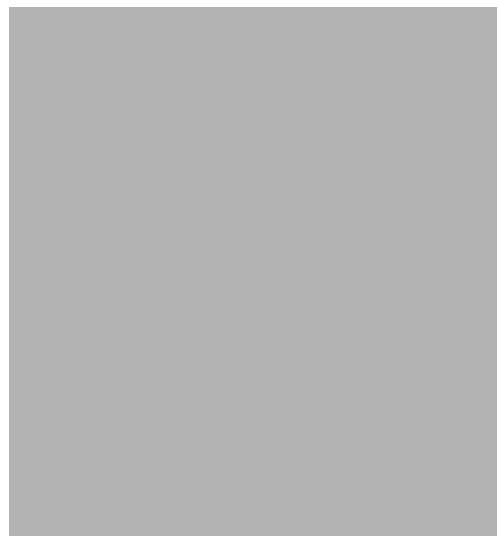
\$

Ko e 36 e sene he taha e minute lafi aki \$1.20 ke haea ke maeke i a Gina ke heke he taha e-scooter.

Heke e ia e e-scooter ke katoa e 18 e minute.

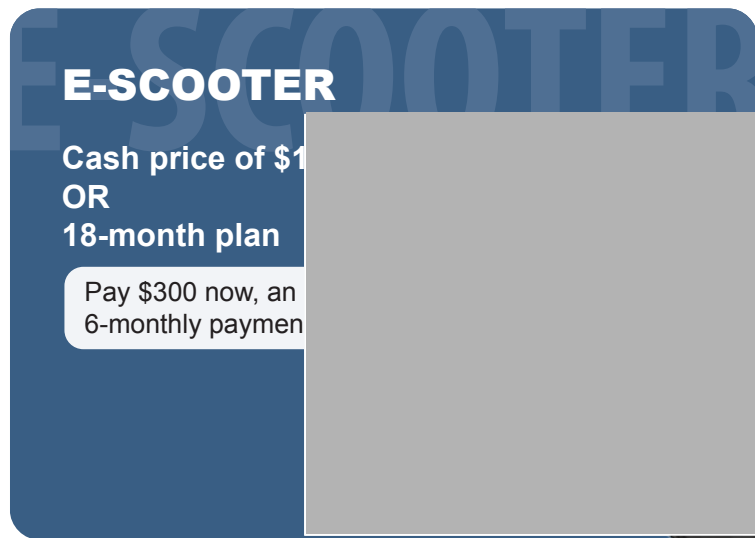
- (b) Fiha ka totogi e Gina?

\$



QUESTION FOUR: E-scooters

An e-scooter can be bought by paying the cash price or by paying it off over 18 months.

A graphic for an e-scooter advertisement. It features a dark blue background with the word "E-SCOOTER" in large, bold, white capital letters. Below this, the text "Cash price of \$1" is visible, followed by "OR" and "18-month plan". A white speech bubble contains the text "Pay \$300 now, an" and "6-monthly payment". A large grey rectangular area is positioned to the right of the text.

E-SCOOTER

Cash price of \$1
OR
18-month plan

Pay \$300 now, an
6-monthly payment

- (a) How much **more** does it cost to use the 18-month plan than paying the cash price?

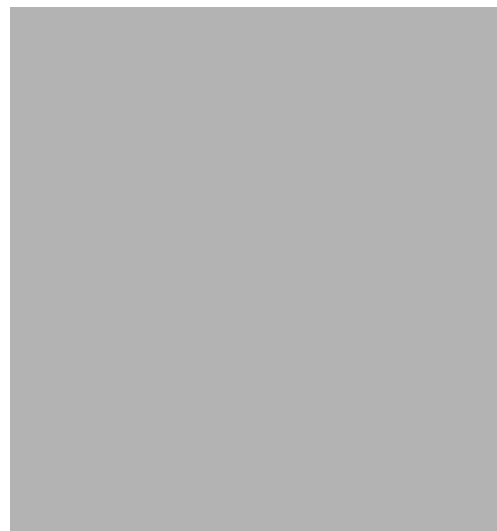
\$

It costs 36 cents per minute plus \$1.20 hire fee for Gina to ride an e-scooter.

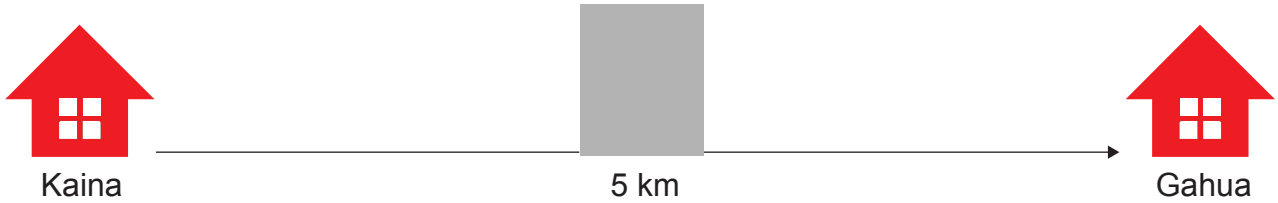
She rides the e-scooter for 18 minutes.

- (b) How much does Gina pay?

\$



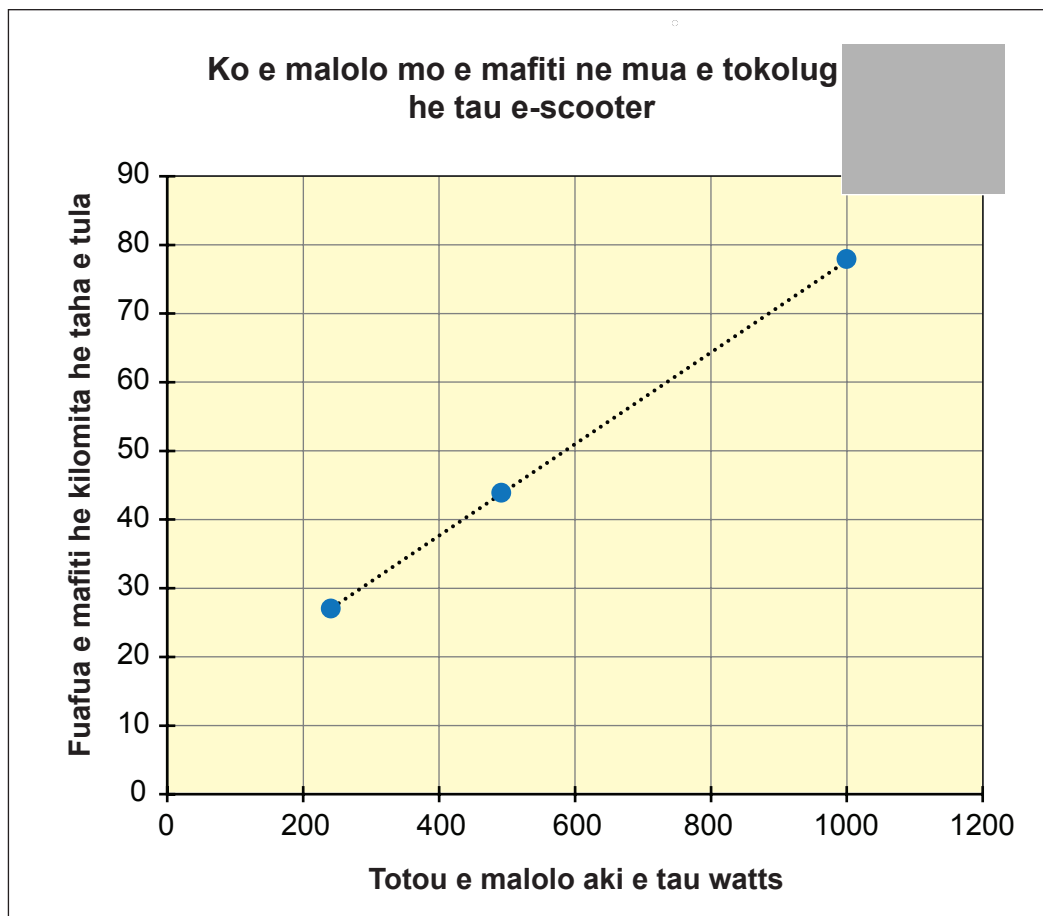
Fenoga e tagata 5 e kilomita heke he e-scooter. Hoko ke he mafiti fakamau vahalo to ko e 20 e tau kilomita he taha e tula.



(c) Kavi ke fiha e tau **minute** ka mole he fenoga nei?

tau minute

Ki lalo na ko e taha e fakatino (graph) ne fakakite e malolo mo e mafiti .



(d) Fakaaoga e fakatino (graph) na i luga ke fakataitai e mafiti tokoluga he e-scooter ne ha ki ai **300** e tau watts he malolo hila. Tohi hifo haau a tali aki e numela katoa.

tau kilomita he taha e tula

A person travels 5 kilometres on an e-scooter. They ride an average speed of 20 kilometres per hour.



Home



5 km

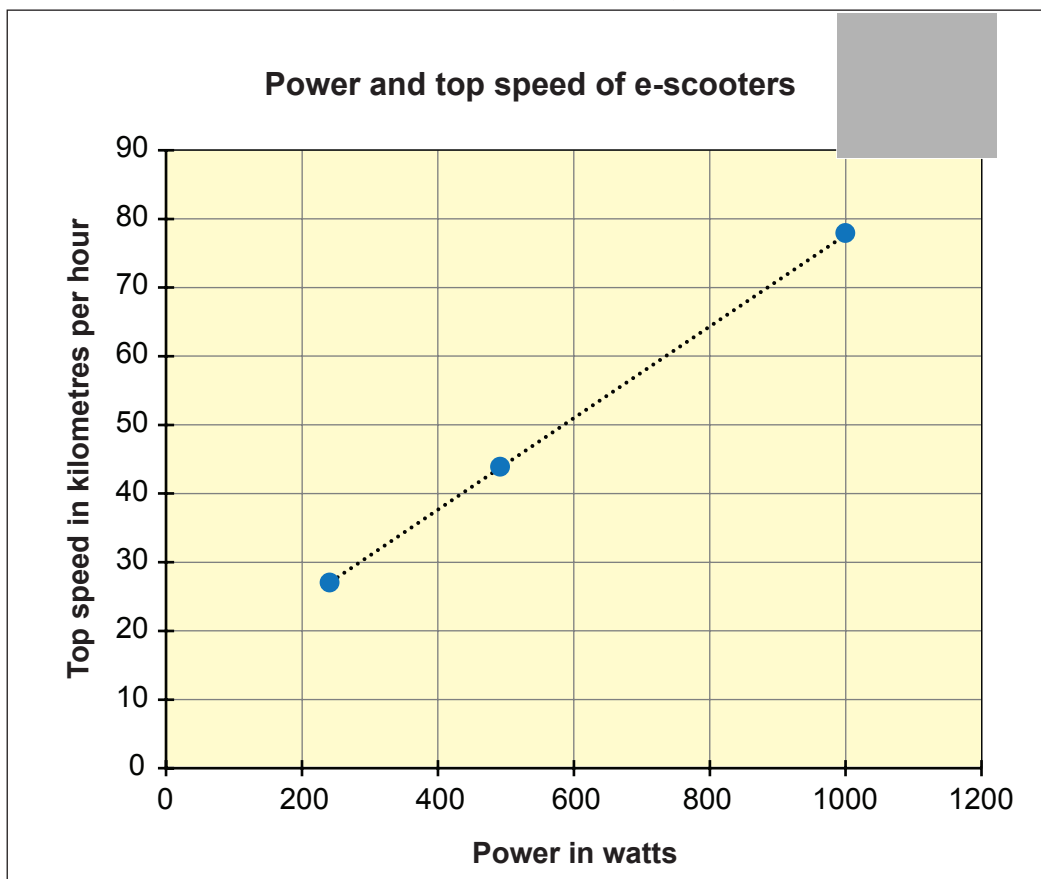


Work

- (c) About how many **minutes** does the trip take?

minutes

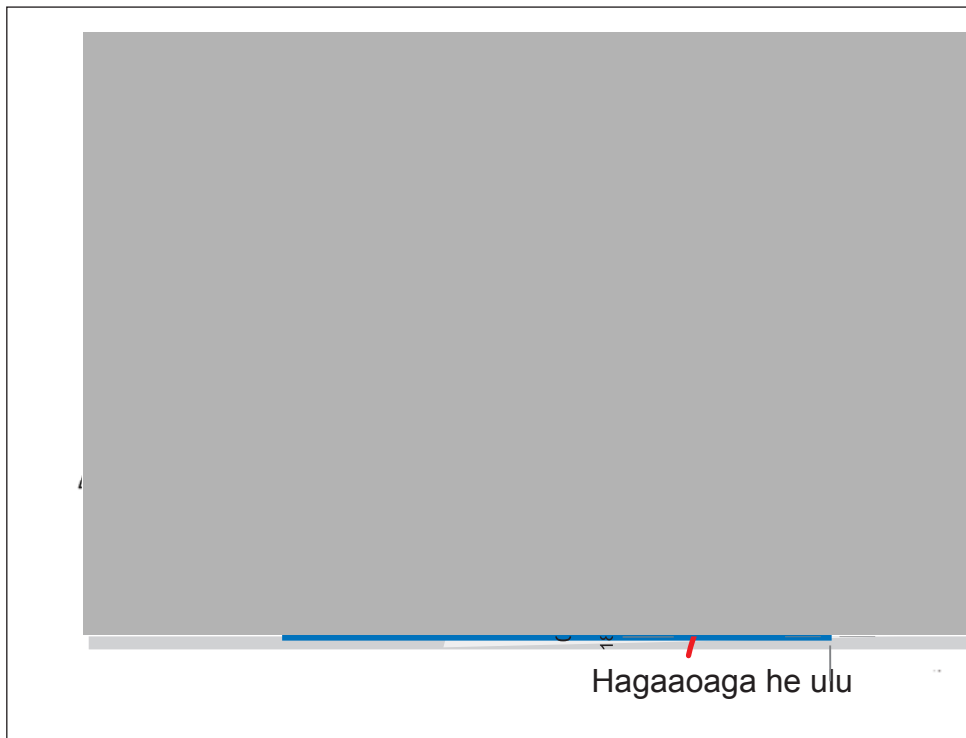
Below is a graph showing e-scooter power and speed.



- (d) Use the graph above to estimate the top speed of an e-scooter that has **300** watts of power. Give your answer as a whole number.

kilometres per hour

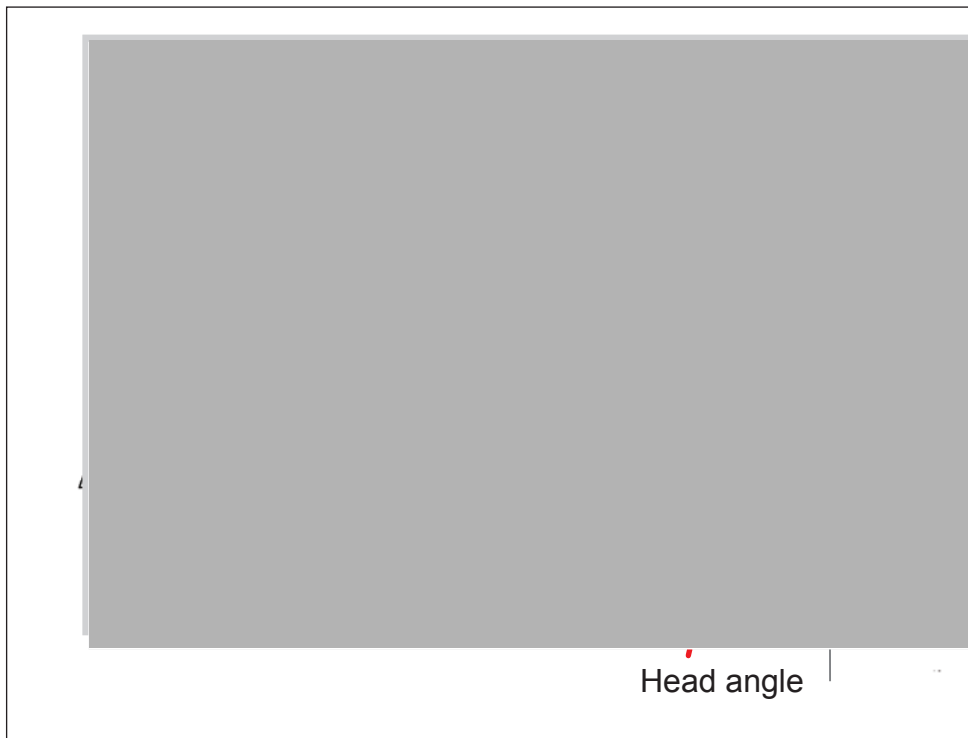
Hanai e fakatino ne fakakite e kitiaaga mai he faahi he taha e-scooter.



- (e) Fuafua e faahi ke he hagaaoga he ulu (head angle) he e-scooter. Tohi hifo haau a tali aki e numela katoa.

 °

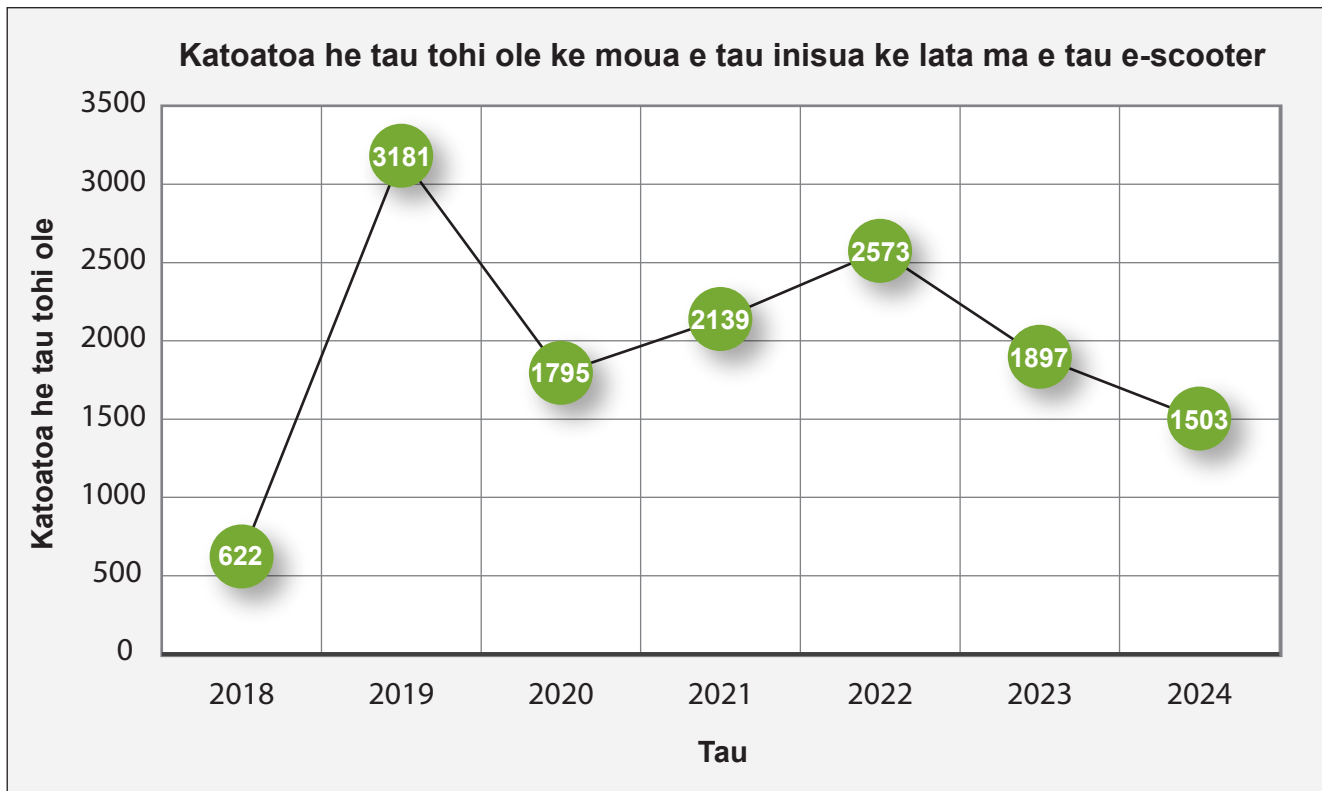
Here is a side view diagram of an e-scooter.



- (e) Measure the head angle of the e-scooter. Give your answer as a whole number.

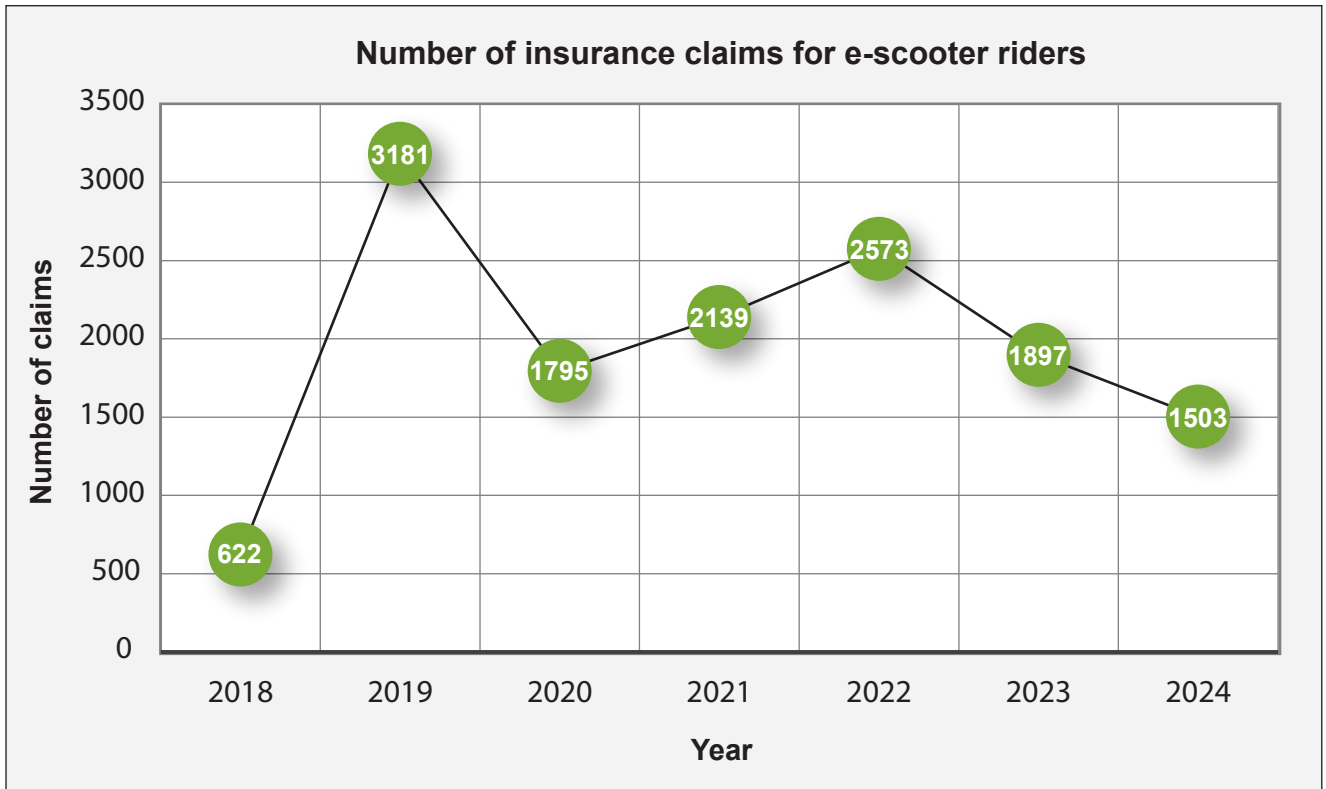
 °

Ko e fakatino (graph) na ne mui mai ne fakakite e numela he tau tohi ole inisua mai he tau tagata heke e tau e-scooter mai he tau 2018 ke he 2024.

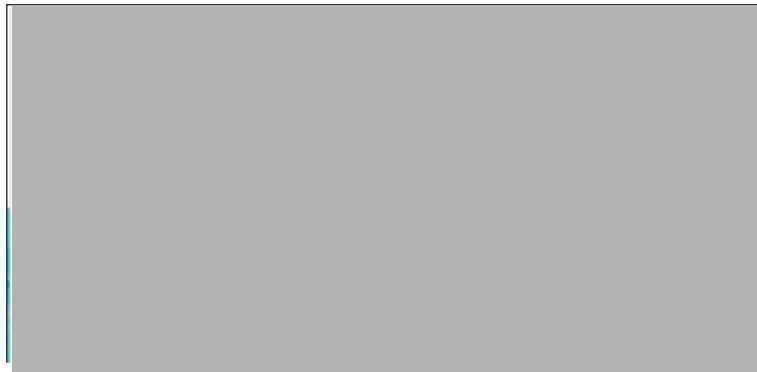


- (f) Fakakite nakai he fakatino (graph) ka onoono ke he fai magaaho a nei, ko e tau tagata heke e e-scooter ne loga atu e tau tohi ole ke he tau kautaha inisua? Fakaaoga e tau talahauaga mai he fakatino (graph) ke fakamaama aki e haau a tali.

The following graph shows the number of insurance claims made by e-scooter riders from 2018 to 2024.



- (f) Does the graph show that e-scooter riders are making more insurance claims over time? Use information from the graph to explain your answer.

HUHU LIMA: Kakau

Ko e katoatoa he puke tagata he North Island ko e 4,044,600. Kavi ke 69% i a lautolu ne maeke ke kakau po ke hili i luga he puke vai.

(a) He North Island, fiha e tagata ne maeke ke kakau po ke hili he puke vai?

- (i) ☐ 1.3 e miliona
- (ii) ☐ 2.0 e miliona
- (iii) ☐ 2.4 e miliona
- (iv) ☐ 2.8 e miliona
- (v) ☐ 3.9 e miliona

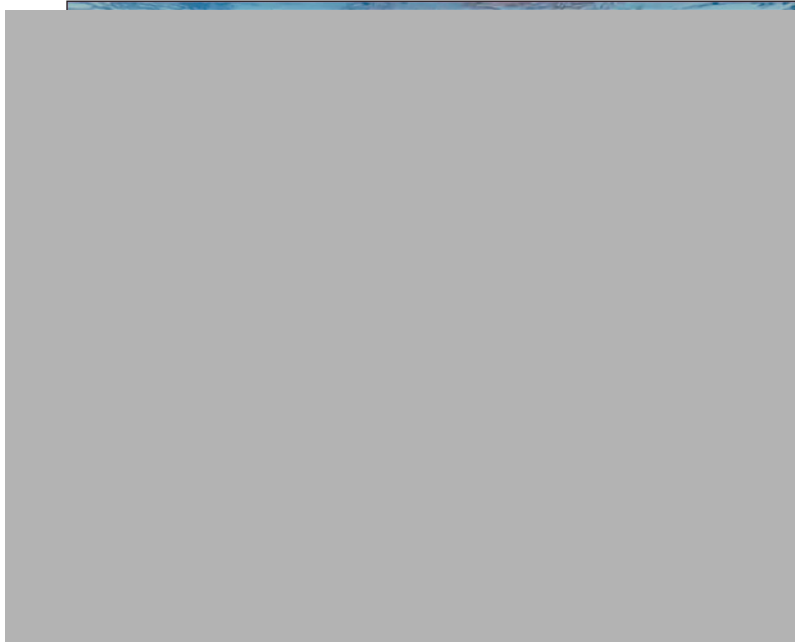
QUESTION FIVE: Swimming

The North Island has about 4,044,600 people. About 69% of them can swim or float in water.

(a) In the North Island, about how many people can swim or float in water?

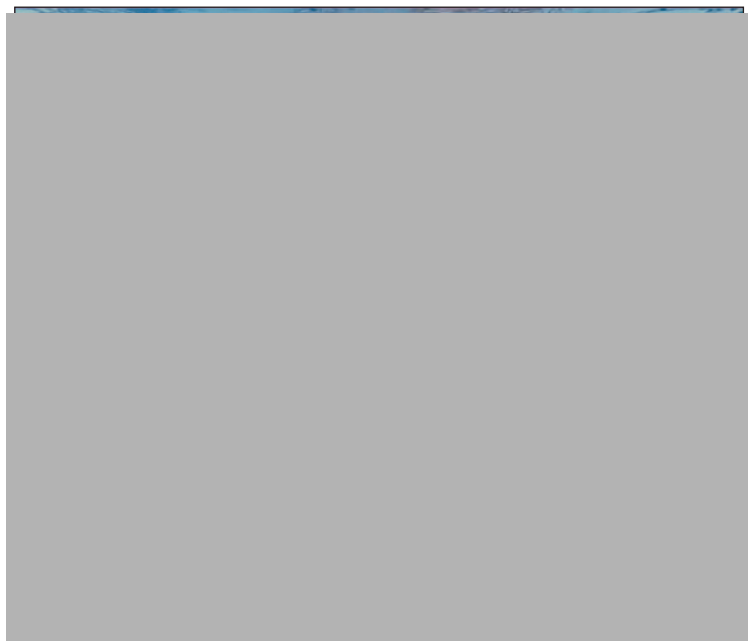
- (i) ☐ 1.3 million
- (ii) ☐ 2.0 million
- (iii) ☐ 2.4 million
- (iv) ☐ 2.8 million
- (v) ☐ 3.9 million

He fakatino na i lalo, ne hu ke he taha hagaiioaga (angle) e lima he tagata kakau ki loto he puke vai.



- (b) Fuafua nakai e hagaiioaga (angle) nei ke he 30° ? He haau a tali, fakamaama ko e maeke fefe e hagaiioaga (angle) ke fuafua fakataitai ka e nakai fakaaoga e protractor.

In the image below, the swimmer's arm dips into the water at an angle.



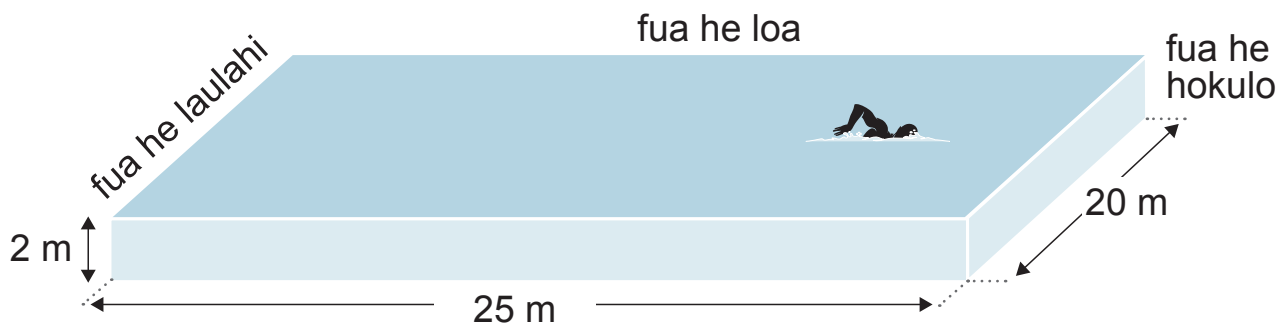
- (b) Does the angle measure 30° ? In your answer, explain how the angle can be estimated without using a protractor.

Kakau a Tui 50 e mita he 40 sekone.

- (c) Ko e heigoa e laulahi he mafiti he kakau ha Tui, ka totou e tau mita he taha e sekone?

tau mita he taha e sekone

Ko e fakatino na i lalo ne fakakite e tau fuafuaaga he pa koukou swimming pool.



- (d) Fiha e tau cubic mita (m^3) he tau valavai ne ha i ai ke he pa koukou swimming pool?

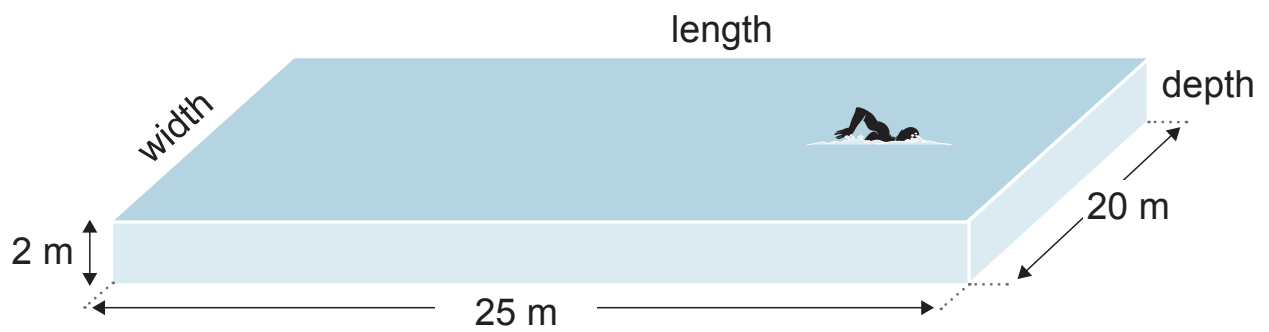
m^3

Tui swims 50 metres in 40 seconds.

- (c) What is Tui's average swimming speed, in metres per second?

metres per second

The diagram below shows the dimensions of a swimming pool.



- (d) How many cubic metres (m^3) of water are in the pool?

m^3

Ha nai e taha fakatino he kakau tufi 100 mita fakahiku he 2024 Olympics.



Ko e fakatino fakatata nei ne fakakite e tau fakamauaga taimi ha lautolu tokotolu ne moua e tau pine Olympic.

Pine auro	Pine ario	Pine apakula
49.90 e tau sekone	49.99 e tau sekone	50.45 e tau sekone

- (e) “Ko ia ne moua e pine ario ne **taha ni e vala ke hogofuluaki mai he taha e sekone** ne eto mai i a ia ne moua e pine auro.”

Hako nakai e talahauaga ia? Fakaaoga e fuafuaaga ne fai fakaaoga he tau decimal ke fakamaama haau a tali.

Here is an image of a 100-metre swimming final at the 2024 Olympics.



This table shows the swimming times of the three Olympic medal winners.

Gold medal	Silver medal	Bronze medal
49.90 seconds	49.99 seconds	50.45 seconds

- (e) “The silver medallist was only **one tenth of a second** slower than the gold medallist.”
Is that statement correct? Use a calculation with decimals to explain your answer.

Ne kakau a Caitlin O'Reilly mai he taha faahi ha Cook Straits ke he taha faahi he magaaho ne 12 ni e tau tau moui. Ko e laini ago he fakatino ne fakaite e hala haana ne kakau ai. Kamata a ia tata ki Ueligitoni.



- (f) Ko e hala haggao ki fe ne mitaki lahi ke fakamaama e haana a hala ne fenoga he taha faahi ke hoko ke he taha faahi he Strait?
- (i) ☐ He vaha lota he faahi Uta mo e faahi Tokelau ki Uta
 - (ii) ☐ He vaha lota he faahi Lalo mo e faahi Toga ki Lalo
 - (iii) ☐ He vaha lota he faahi Uta mo e faahi Toga ki Uta
 - (iv) ☐ He vaha lota he faahi Lalo mo e faahi Tokelau ki Lalo

Caitlin O'Reilly swam across Cook Strait at the age of 12. The yellow line in the picture shows the path she took. She started near Wellington.



(f) Which direction best describes her path across the Strait?

- (i) ☐ Between East and North-east
- (ii) ☐ Between West and South-west
- (iii) ☐ Between East and South-east
- (iv) ☐ Between West and North-west

**Fai mena ata foki ke tohitohi ai kaeke kua lata.
Tohi hifo e (tau) numela he tau huhu kaeke kua lata ke pihia.**

NUMELA
HUUH

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

QUESTION
NUMBER

Tau fakaaue

Ko e tau koloa mai he tau hauaga na ne kua hiki mo fakaaoga ma e kamatamataaga nei.

Huhu Taha

Laupepa 2, Laupepa 6: Fakatino ata kifaga, talaga mo e fakaaoga aki e AI ne fakatuputupu mai he kupega hila

Laupepa 8: Lafilafi atu ke he popcorn, <https://www.hebervalleyentertainment.com/product-page/combo-lrg-popcorn-2-drinks-refillable>

Laupepa 8: Sigogo asekulimi, https://toppng.com/free-image/vanilla-ice-cream-png-PNG-free-PNG-Images_129571

Laupepa 8: Puha popcorn, <https://bcsfoodpak.co.nz/products/food-packaging/paper-cardboard-products/popcorn-boxes>

Huhu Ua

Laupepa 12: Fakatino he fuafuaga he ulu tagata, https://www.researchgate.net/figure/Changes-in-body-proportions-from-birth-to-adulthood-in-years-and-the-differences-in-head_fig9_342526922

Laupepa 14: AED, <https://reliancemedical.co.nz/collections/aed>

Laupepa 14: CPR, <https://www.drugs.com/cg/adult-cpr-steps.html>

Laupepa 18: Vai puipui mai he laa, <https://cosmocmetics.in/products/sunblock-cream-spf-50>

Huhu Tolu

Laupepa 20: Kapiniu kai malolo, <https://www.oxfordmartin.ox.ac.uk/blog/official-healthy-food-guide-hasnt-changed-in-20-years-five-things-that-need-updating>

Laupepa 24: Kapisu tuputupu mai he sega, <https://media.istockphoto.com/id/176821347/photo/cabbage-sprout.jpg>

Huhu Fa

Laupepa 32: Pasikala e-scooter, <https://electricscootershop.co.nz/collections/scooters>

Laupepa 30: Tama fine heke he e-scooter, <https://www.pbtech.co.nz/product/HEASGW0036/Segway-Ninebot-ES1L-Kick-Scooter---Dark-Grey-Max-S>

Laupepa 32: Foliga he tagata heke he e-scooter, <https://www.vectorstock.com/royalty-free-vector/silhouette-of-a-man-riding-an-electric-scooter-vector-53899289>

Laupepa 32: Ko e fakatino he pasikala sikuta ki loto he fakatino (graph), https://www.freepik.com/premium-vector/electric-scooter-black-icon-e-bike-flat-style-vector-illustration-isolated_38126735.htm

Laupepa 34: Fakatino he e-scooter, <https://swiftyscooters.com/blogs/journal/e-scooter-safety-and-design>

Huhu Lima

Laupepa 38: Tagata ne hili he fuga vai, <https://www.wikihow.com/Float-on-Your-Back#/Image:Float-on-Your-Back-Step-9-Version-2.jpg>

Laupepa 40: Tagata ne kakau, Freestyle Swimming. (2025, 5 Iuni). Freestyle Rotation: Rock Not Roll? (vitio) You Tube. <https://www.youtube.com/watch?v=5eDQ6QIVFEw>

Laupepa 44: Kakau tufi fakahiku, <https://olympic.ca/wp-content/uploads/2024/08/CAW04268.jpg>

Laupepa 46: Mepe he Cook Strait, <https://images.squarespace-cdn.com/content/v1/5d573fbd76eb470001e99543/1569363325875-RBJ18AE9B8P7TNB9YCZA/Cook+strait.jpg>

Acknowledgements

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

Question One

Page 3, Page 7: Movie poster, created using generative AI

Page 9: Popcorn combo, <https://www.hebervalleyentertainment.com/product-page/combo-lrg-popcorn-2-drinks-refillable>

Page 9: Ice cream cone, https://toppng.com/free-image/vanilla-ice-cream-png-PNG-free-PNG-Images_129571

Page 9: Popcorn box, <https://bcsfoodpak.co.nz/products/food-packaging/paper-cardboard-products/popcorn-boxes>

Question Two

Page 13: Head proportions diagram, https://www.researchgate.net/figure/Changes-in-body-proportions-from-birth-to-adulthood-in-years-and-the-differences-in-head_fig9_342526922

Page 15: AED, <https://reliancemedical.co.nz/collections/aed>

Page 15: CPR, <https://www.drugs.com/cg/adult-cpr-steps.html>

Page 19: Sunscreen, <https://cosmocosmetics.in/products/sunblock-cream-spf-50>

Question Three

Page 21: Healthy plate, <https://www.oxfordmartin.ox.ac.uk/blog/official-healthy-food-guide-hasnt-changed-in-20-years-five-things-that-need-updating>

Page 25: Cabbage seedling, <https://media.istockphoto.com/id/176821347/photo/cabbage-sprout.jpg>

Question Four

Page 31: E-scooter, <https://electricscootershop.co.nz/collections/scooters>

Page 31: Girl on e-scooter, <https://www.pbtech.co.nz/product/HEASGW0036/Segway-Ninebot-ES1L-Kick-Scooter---Dark-Grey-Max-S>

Page 33: Silhouette of man on scooter, <https://www.vectorstock.com/royalty-free-vector/silhouette-of-a-man-riding-an-electric-scooter-vector-53899289>

Page 33: Scooter icon in graph, https://www.freepik.com/premium-vector/electric-scooter-black-icon-e-bike-flat-style-vector-illustration-isolated_38126735.htm

Page 35: E-scooter diagram, <https://swiftyscooters.com/blogs/journal/e-scooter-safety-and-design>

Question Five

Page 39: Person floating, <https://www.wikihow.com/Float-on-Your-Back#/Image:Float-on-Your-Back-Step-9-Version-2.jpg>

Page 41: Person swimming, Freestyle Swimming. (2025, 5 June). Freestyle Rotation: Rock Not Roll? [video]. YouTube. <https://www.youtube.com/watch?v=5eDQ6QIVFEw>

Page 45: Swimming final, <https://olympic.ca/wp-content/uploads/2024/08/CAW04268.jpg>

Page 47: Cook Strait map, <https://images.squarespace-cdn.com/content/v1/5d573fbd76eb470001e99543/1569363325875-RBJ18AE9B8P7TNB9YCZA/Cook+strait.jpg>

English translation of the wording on the front cover

Numeracy 2025

32406 Apply mathematics and statistics in a range of everyday situations

Credits: Ten

WEEK TWO | 8–12 SEPTEMBER 2025

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 2–51 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.