Kia fakakatoatoa he tagata ka kamatamata

NSN | | | | | | | | | |

School Code | | | | |

KE FAKAAOGA NI HE TAGATA LEVEKI KAMATAMATA

Totou ke he tua pepa ne toka ai e liliuaga Faka-Peritania ma e kili pepa

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

+

32406N MAGAAHO AOGA 3

NZQA | Mana Tohu Mātauranga o Aotearoa
New Zealand Qualifications Authority

Numela 2026

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 | 14–18 SEPETEMA 2026

TAU FAKAOTIAGA	
1	Fakakite ke he tau puhala numela (mathematical) mo e totou numela (statistical) 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 2–48 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.

NIUEAN

© New Zealand Qualifications Authority, 2026 Tau tonuhia oti kua taofi.
To nakai fai vala he pepa nei ne maeke ke liu ke fai lagaki ka e kua nakai la moua mai e fakaataaga mai he New Zealand Qualifications Authority.

HUHU TAHA: Keke futi



Kua lata i a koe ke tao e taha keke futi ma e taha tauteaga fakafiafia.

Ua fakaaoga e suka, ka e fifili ke fakaaoga e puke fakahumelie.

1(a) Kua lata e keke ke 32 e sipunu suka.

1 sipunu lahi (tablespoon) he puke fakahumelie ka huhui aki 4 e tau sipunu lalahi (tablespoons) he suka.

Fiha e sipunu lalahi he puke fakahumelie ne manako a koe ke fakaaoga?

☐ sipunu lalahi (tablespoons)

Kua lata i a koe ke fai pata ke tao aki e keke futi.



Taha e poloka pata 250 e kuleme (gram) ka fakafua ke $6.

Kua lata i a koe ke 75 e kuleme (gram) pata ke tao aki e keke.

1(b) Ko e heigoa e totogi ke fakafua aki 75 e kuleme (gram) pata?

$ ☐

QUESTION ONE: Banana cake



You need to make a banana cake for a party.

Instead of sugar, you choose to use liquid sweetener.

1(a) The cake needs 32 tablespoons of sugar.

1 tablespoon of liquid sweetener replaces 4 tablespoons of sugar.

How many tablespoons of liquid sweetener do you need?

[ ] tablespoons

You need some butter to make the banana cake.



A 250 gram block of butter costs $6.

You need 75 grams of butter to make the cake.

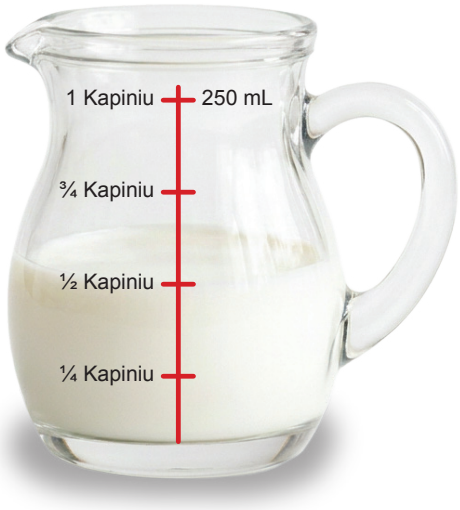
1(b) What is the cost of 75 grams of butter?

$ [ ]

Kua lata e fafatiaga ke tao aki e keke ke fakaaoga 150 e mililita (millilitres – mL) huhu.

1(c) Katoa nakai 150 mL huhu i loto ke sioki nei?

Fakamaama mai haau a tali.



Fakakite he fakatino na i lalo ko e loa fefe e magaaho ka mole ke fakakatoatoa e tau lakaaga (steps) ke tao aki e keke futi.

Tau fafatiaga ke tao aki e keke futi – fuafua ko e leva fefe

Laku e keke	15 e minute
Tao e keke	45 e minute
Fakahahau e keke	40 e minute
Fakamanaia e keke	10 e minute

Kua lata e keke ke mau ke lata mae toloaga fiafia he matahola **4 afiafi (pm)**.

1(d) Fifili (✓) e **magaaho fakahikuete** ke maeke i a koe kamata ke tao e keke.

(i) 3 p.m. ◯

(ii) 2:45 p.m. ◯

(iii) 2:32 p.m. ◯

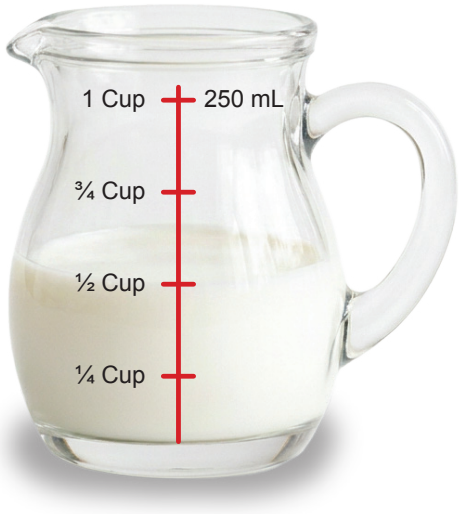
(iv) 2:10 p.m. ◯

(v) 2:32 p.m. ◯

The banana cake recipe needs 150 millilitres (mL) of milk.

1(c) Is there about 150 mL of milk in this jug?

Explain your answer.



The diagram below shows the time it will take to complete the steps of the banana cake recipe.

Banana cake recipe – timing

Prepare cake mix	15 minutes
Bake cake	45 minutes
Cool cake	40 minutes
Ice cake	10 minutes

The cake needs to be ready for the party at **4 p.m.**

1(d) Select (✓) the **latest** time you can start making the cake.

(i) 3 p.m. ◯

(ii) 2:45 p.m. ◯

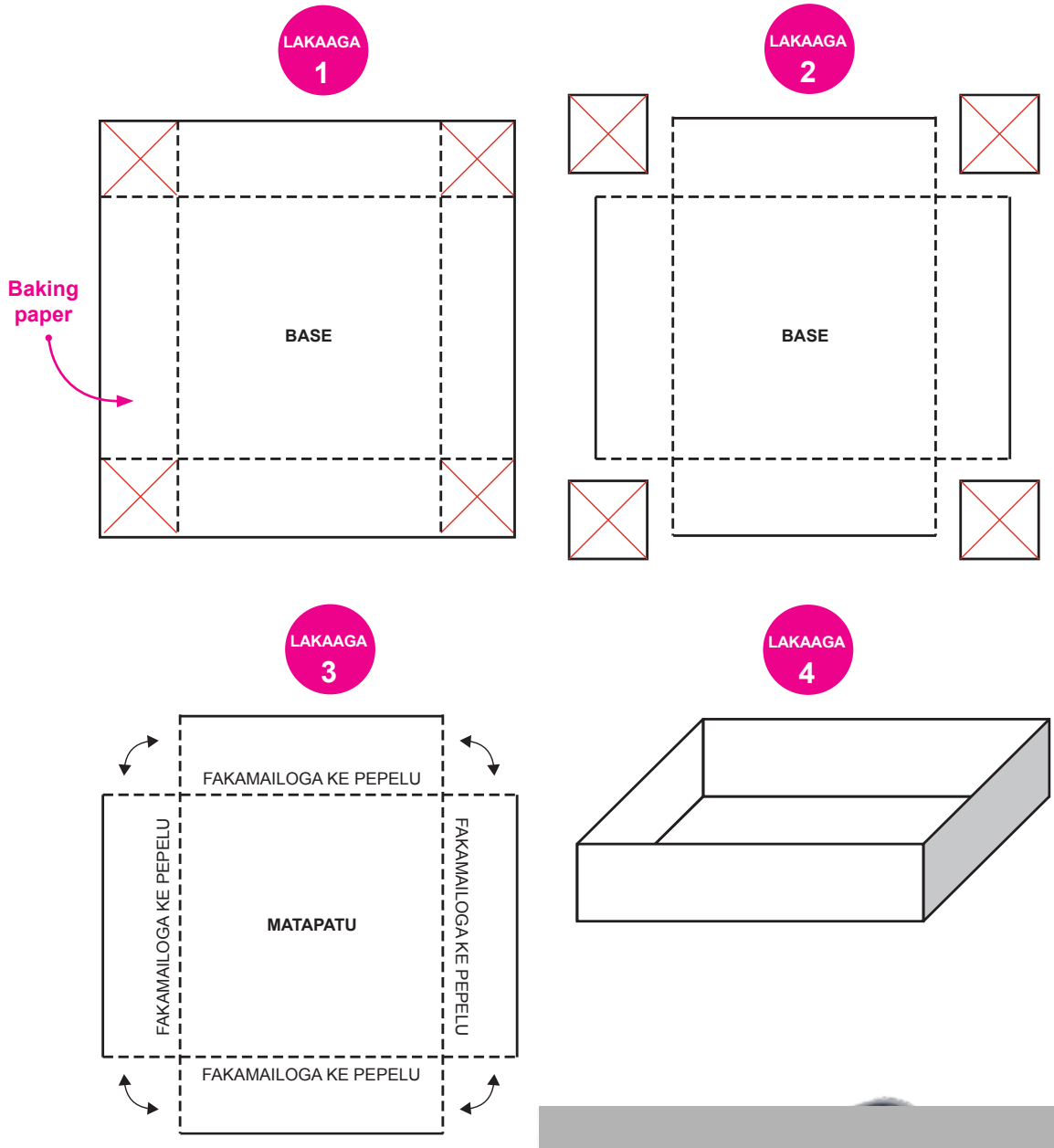
(iii) 2:32 p.m. ◯

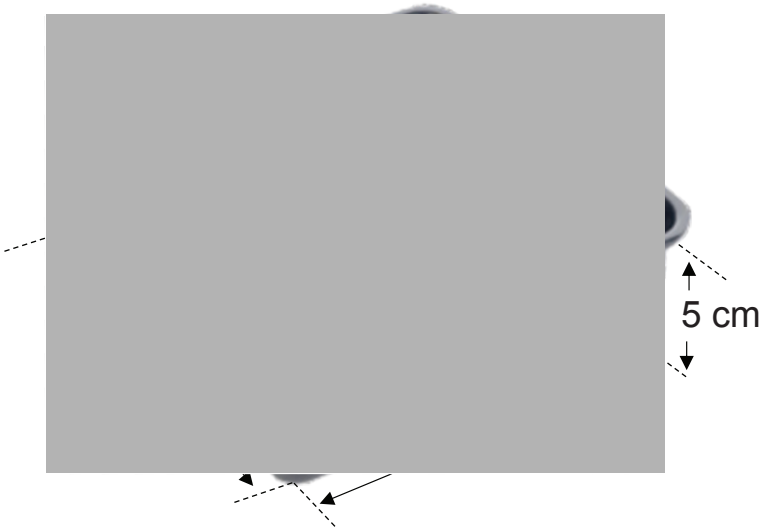
(iv) 2:10 p.m. ◯

(v) 2 p.m. ◯

Fakaalo aki e laupepa tao kai e taha apa tao keke pakafa.

Ko e tau lakaaga na i lalo ne fakakite ko e hele mo e pepelu fefe e laupepa ke maeke ke hao mitaki i loto ke apa tao keke.





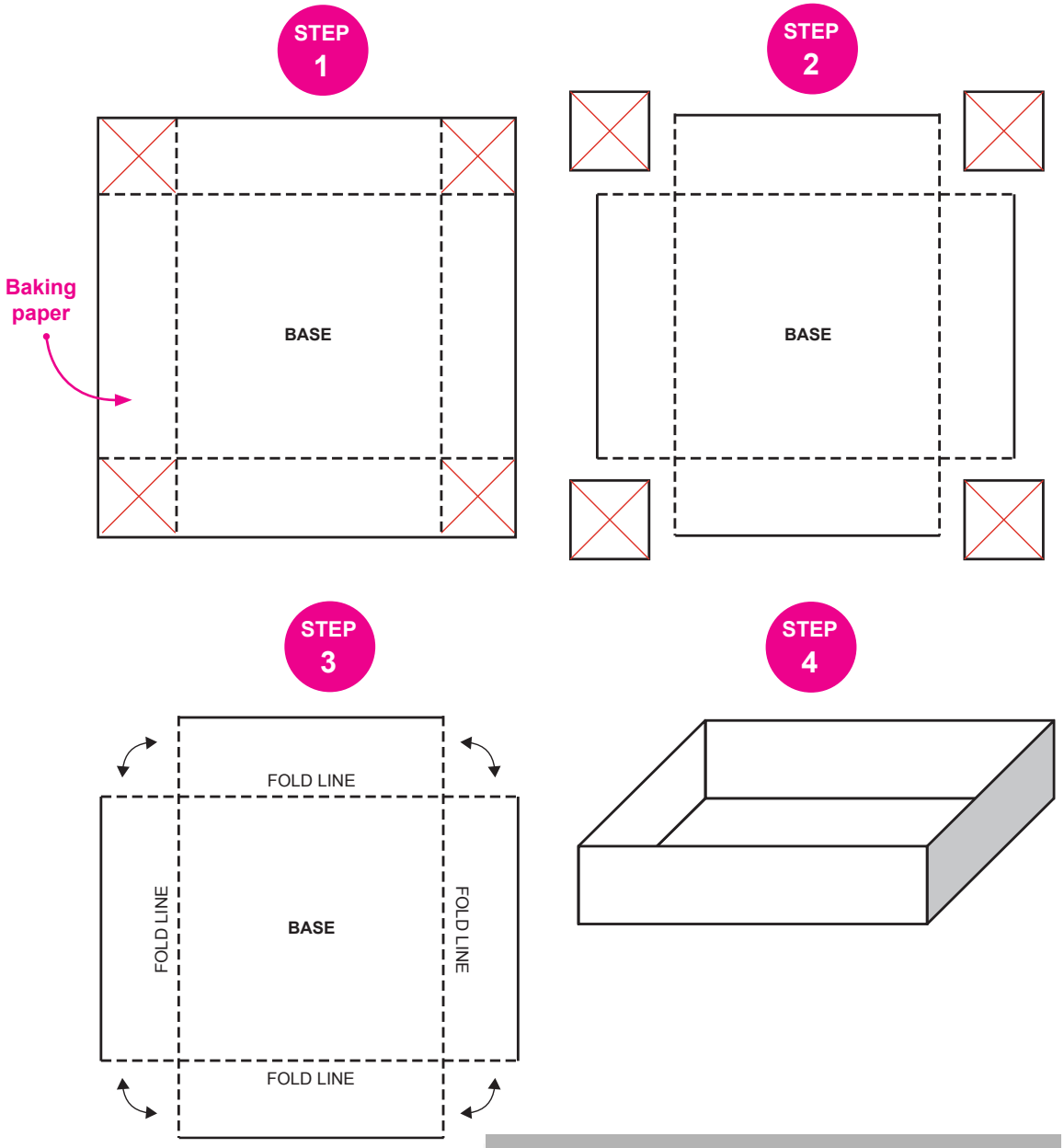
1(e) Lakaaga 1 kamata mo e taha laupepa tao kai pakafa.

Fiha e loa he taha e faahi he pakafa?

[ ] cm

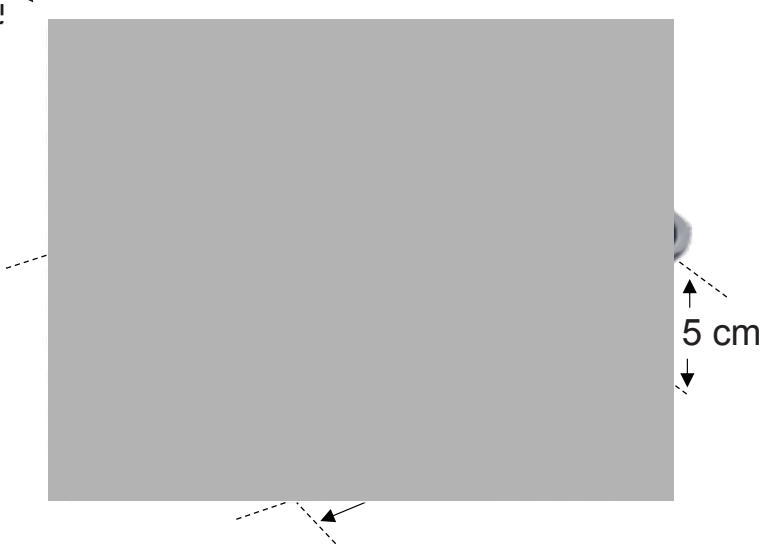
You line a square cake tin with baking paper.

The steps below show how to cut and fold the paper so that it fits neatly into the cake tin.



1(e) Step 1 starts with a square piece of baking paper.

How long is each side of the square?



[ ] cm

To tuku e magiki fakatata (monkey figure) ki luga he fuga he keke.



Onoono mai i mua



Onoono hifo mai i luga

1(f) Fifili (✓) e fifiliaga ne fakakite e tino he magiki ka onoono ki ai mai he faahi.



(i) ◯



(ii) ◯



(iii) ◯



(iv) ◯



(v) ◯

This monkey figure will be put on top of the cake.

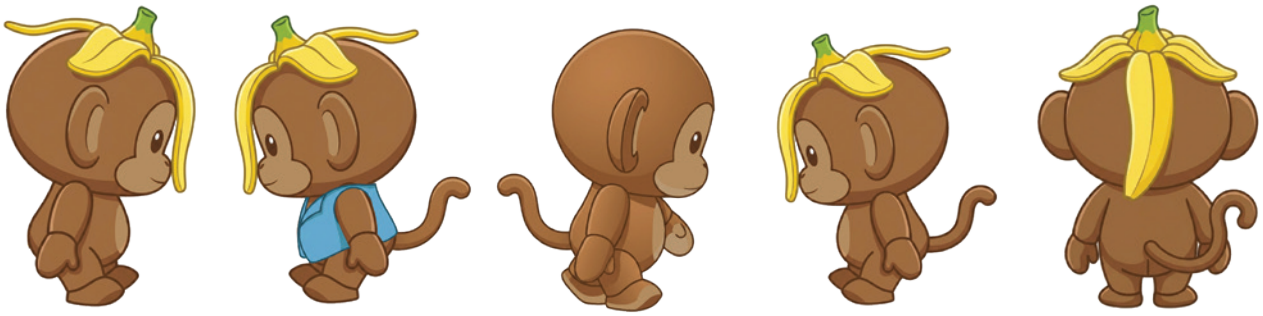


Front view



Top view

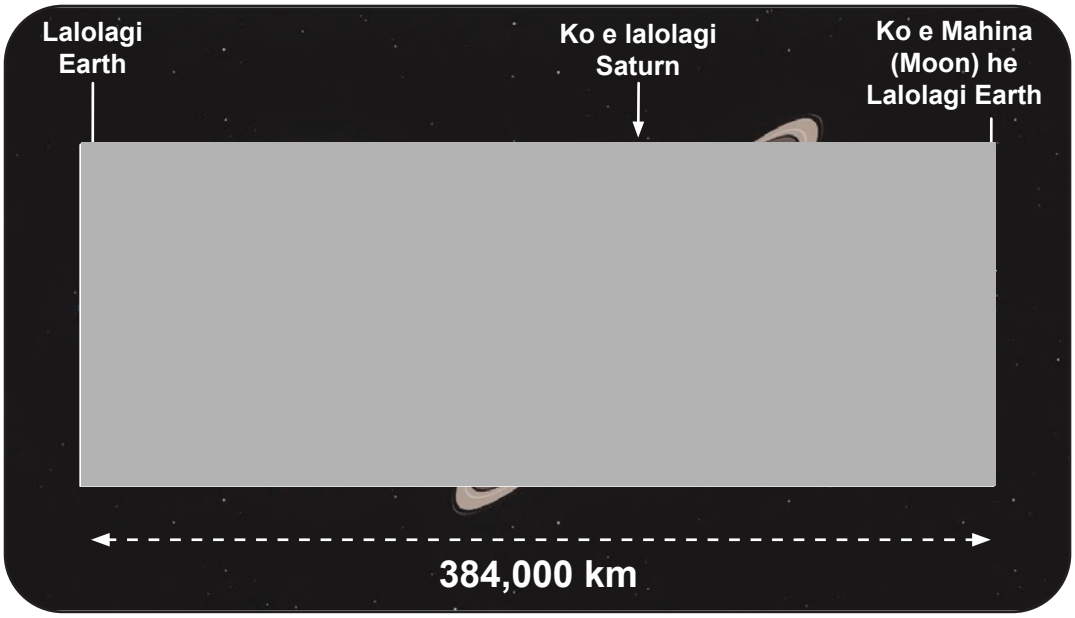
1(f) Select (✓) the option that shows the correct side view of the monkey figure.



(i) ◯ (ii) ◯ (iii) ◯ (iv) ◯ (v) ◯

HUHU UA: Ko e lagi katoa (The Cosmos)

Maeke he tau lalolagi oti ke hao mapita ki loto he vaha he Lalolagi (Earth) mo e haana a Mahina.



Ko e mamao he Mahina he Lalolagi (Earth) mai he Lalolagi (Earth) fakataitai ke he 384,000 e kilomita (km).

2(a) Fifili (✓) e fifiliaga ne fakakite e fakataitai laulahi (diameter) he lalolagi ko Saturn (nakai lalafi ki ai e tau veliveli ne vikoviko i ai).

(i) 50,000 km ◯

(ii) 110,000 km ◯

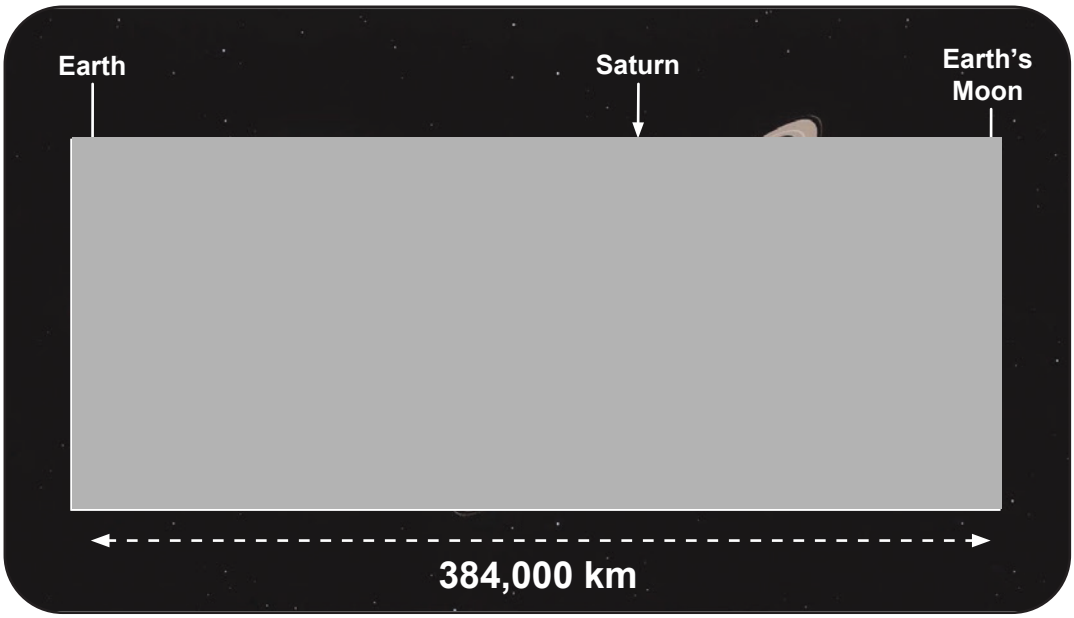
(iii) 130,000 km ◯

(iv) 160,000 km ◯

(v) 200,000 km ◯

QUESTION TWO: The Cosmos

All the planets could fit tightly into the distance between the Earth and its Moon.



The Earth's Moon is about 384,000 kilometres (km) away from Earth.

2(a) Select (✓) the option that shows the approximate width (diameter) of Saturn (without its rings).

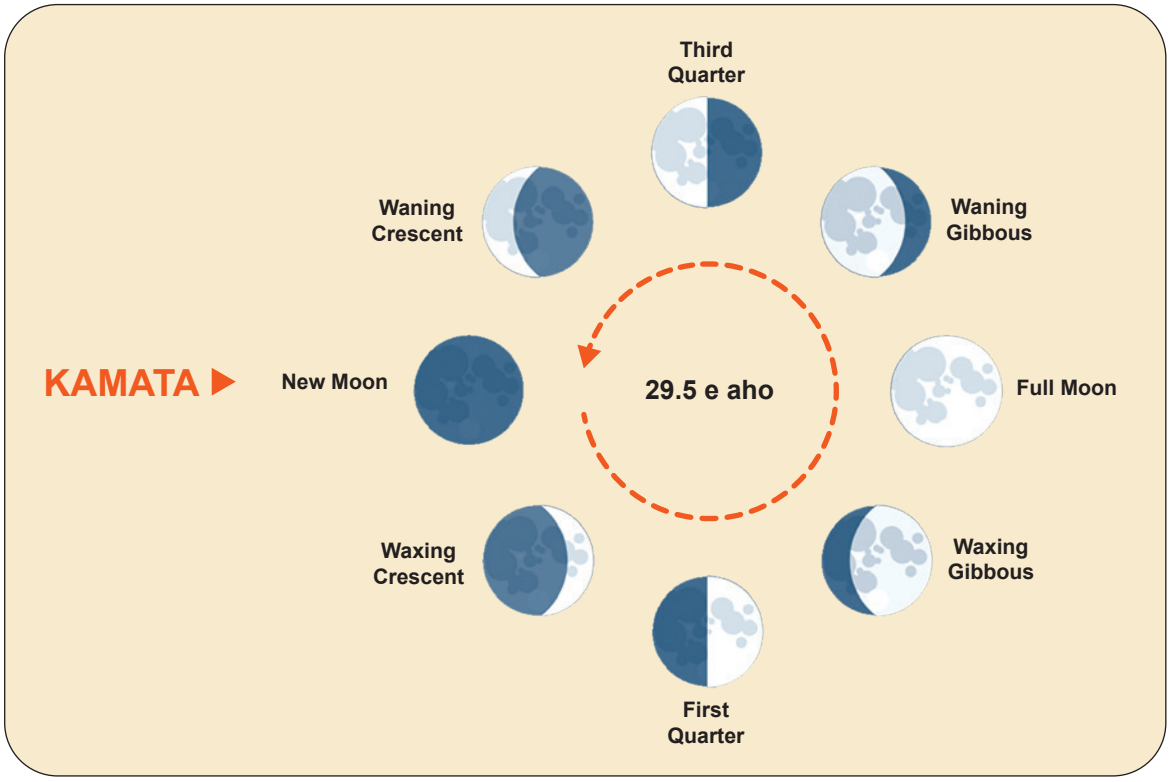
(i) 50,000 km ◯

(ii) 110,000 km ◯

(iii) 130,000 km ◯

(iv) 160,000 km ◯

(v) 200,000 km ◯



Fakakite he fakatino nei valu e faahi he Mahina he 29.5 e fakaholoaga he tau aho.

Kamata aki e Mahina Pula Foou (New Moon) e fakaholoaga nei.

2(b) Fifili (✓) e faahi ka nofo ai e Mahina he aho ke hogofulumataha aki.

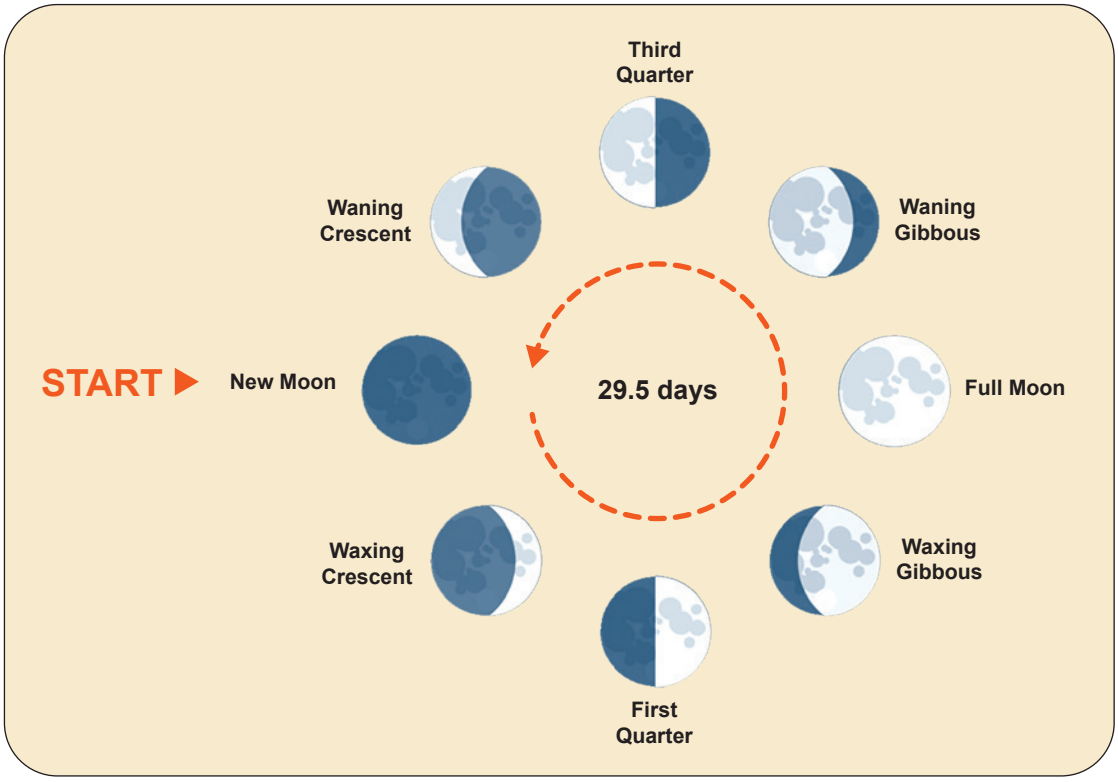
(i) Full Moon (Ko e Mahina Pula) ◯

(ii) New Moon (Ko e Mahina Pula Foou) ◯

(iii) First Quarter (Ko e Kuata Fakamua) ◯

(iv) Third Quarter (Ko e Kuata ke Toluaki) ◯

(v) Waxing Gibbous (Ko e Mahina kua molea e lotoga e maama mo e tata ke pula katoa) ◯



This diagram shows the eight phases of the Moon over a 29.5-day cycle.

The cycle begins with the New Moon.

2(b) Select (✓) the phase that the Moon will be in on day 11.

(i) Full Moon ◯

(ii) New Moon ◯

(iii) First Quarter ◯

(iv) Third Quarter ◯

(v) Waxing Gibbous ◯



Halley's Comet

Kua fa kitia e Halley's Comet he lagi ke he tau tau 75 ke he 76 oti.

Ne kua kitia he tau 1835 mo e kitia foki he tau 1910.

2(c) Ka fakaaoga e vaha na ko e tau 75 ke hoko ke he 76, to liu foki e Halley's Comet ke kitia a fe **he senetuli (century) nei**?

Fakakite mai haau a puhala ne moua aki e haau a tali.



Halley's Comet

Halley's Comet appears in the sky every 75 to 76 years.

It was seen in 1835 and again in 1910.

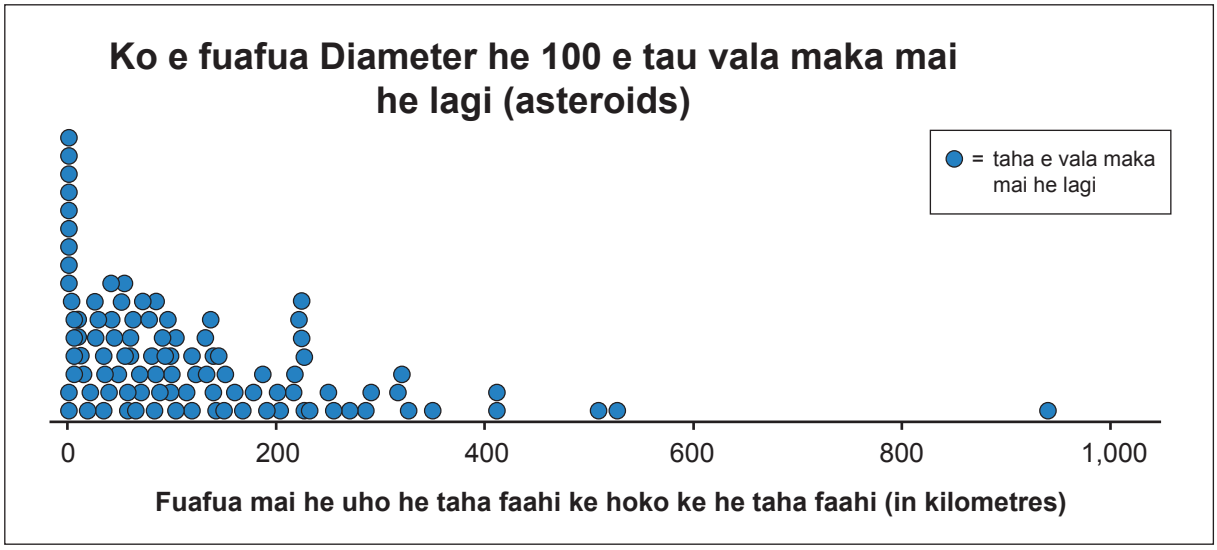
2(c) Using the 75 to 76 year pattern, when will Halley's Comet next appear **in this century**?

Show your working.

Ko e fua mai he taha faahi he uho he vala maka ke hoko ke he taha faahi (diameter) ne mua e loa ka fua.



Ko e fakatino graph na i lalo ne fakakite e tau fuafua diameter he 100 e tau vala maka.



2(d) Ka onoono ke he fakatino graph, fifili (✓) e talahauaga ne hako:

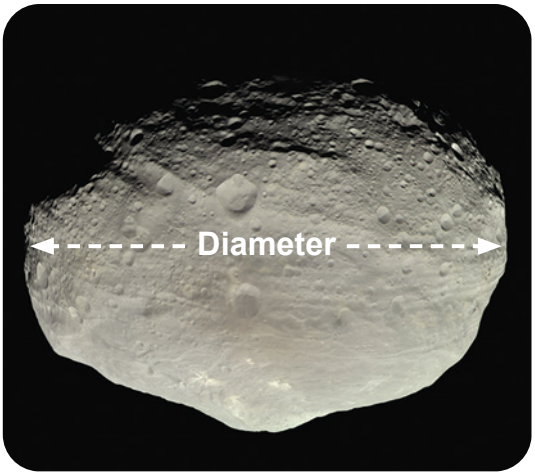
(i) Loga mai e tau vala maka ne molea e 300 e kilomita he loa ◯

(ii) Ko e vala maka ne mua e lahi ne fuafua e diameter ko e 810 e kilomita he loa ◯

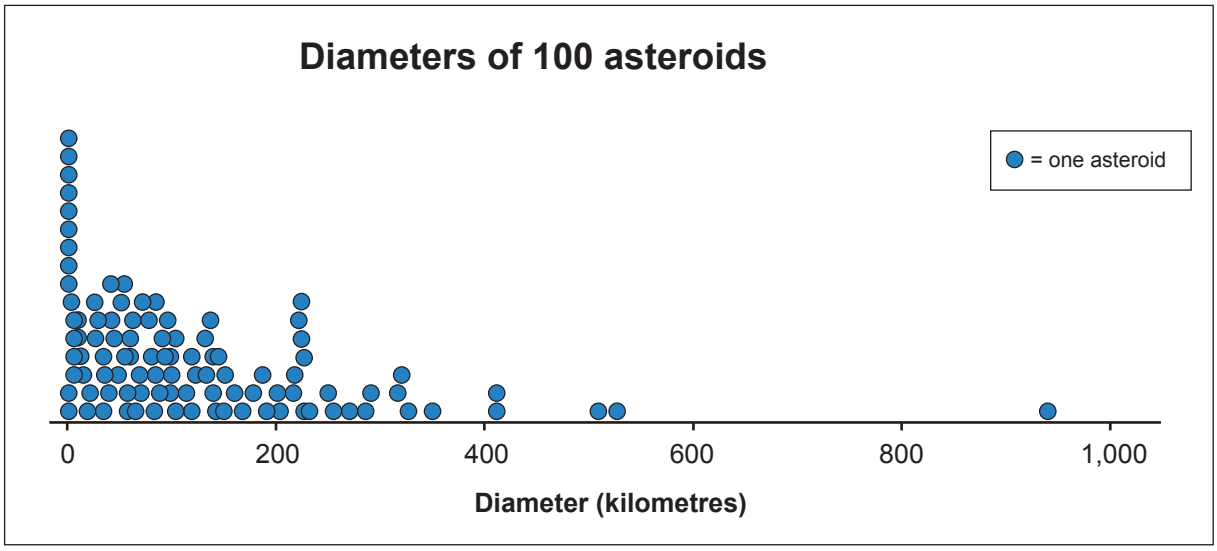
(iii) Loga mai e tau vala maka ne nakai molea e 200 e kilomita he loa ◯

(iv) Ko e loa ne nofo he lotoga (average) e diameter he tau vala maka ne fakatai ke 450 e kilomita ◯

The diameter of an asteroid is the longest distance across it.



The graph below shows the diameters of 100 asteroids.



2(d) Referring to the graph, select (✓) the statement that is true:

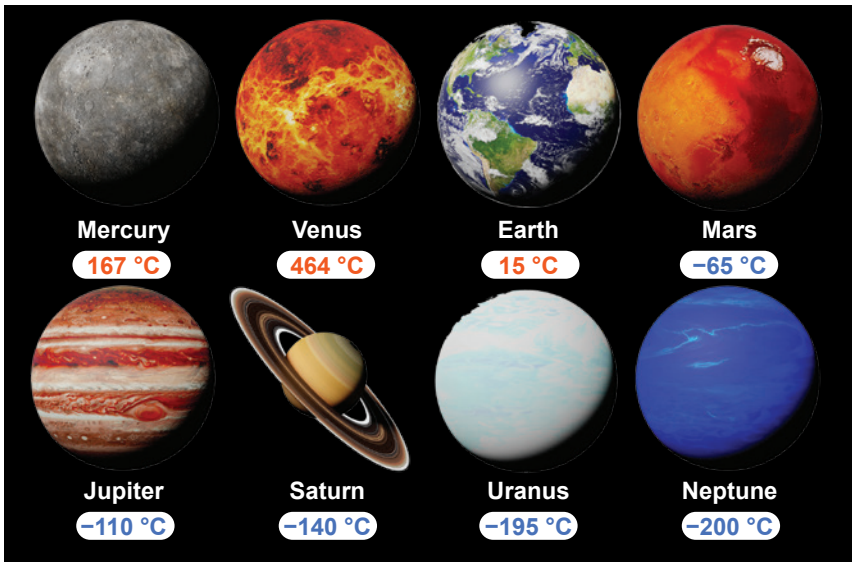
(i) Most asteroids measure over 300 km across ◯

(ii) The largest asteroid has a diameter of 810 km ◯

(iii) Most asteroids measure less than 200 km across ◯

(iv) The average diameter of the asteroids is about 450 km ◯

Ne fakakite he fakatino nei e fuafua mafana lotoga (average) he tau lalolagi taki taha ke he fua mafana degrees Celsius (°C).

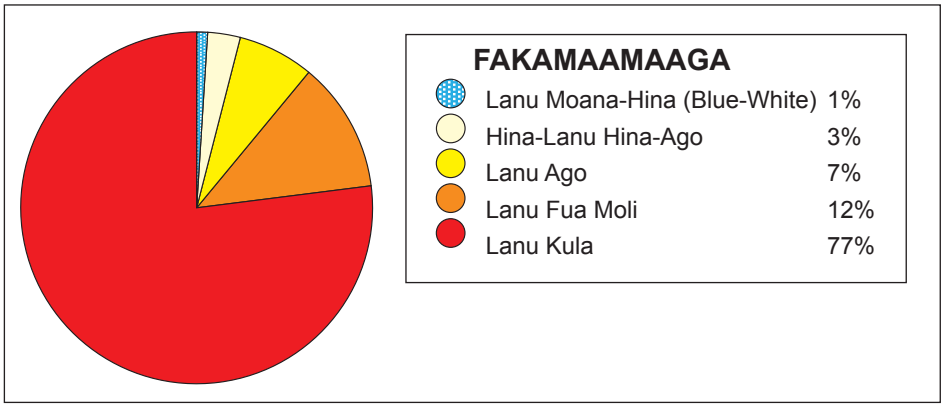


2(e) Ko e heigoa e **fekehekeheaki** he fuafuaaga mafana lotoga he lalolagi Earth mo e lalolagi Jupiter?

[ ] °C

Fakamahino e tau fetu ha ko e ha lautolu a tau lanu.

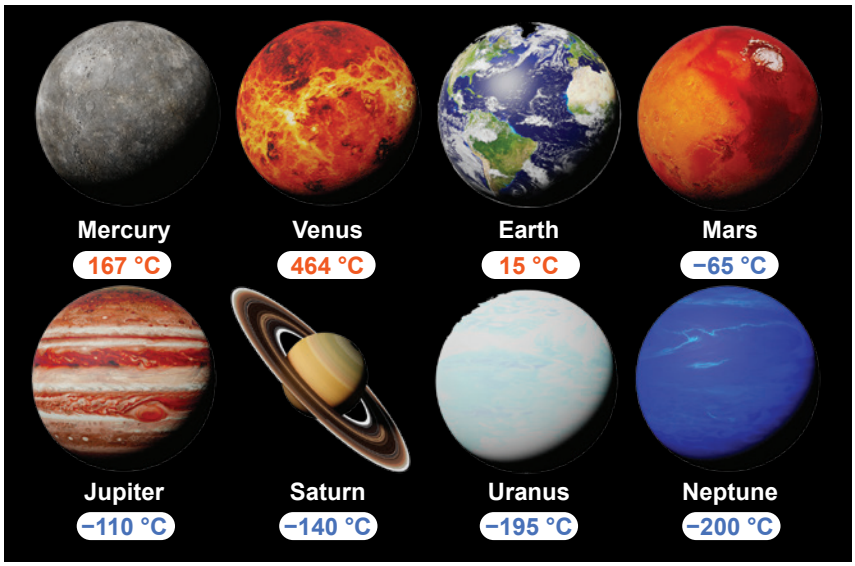
Ko e fakatino pie chart na i lalo ne fakakite e pasene (percentage) he tau lanu he tau fetu taki taha he lagi katoa.



2(f) Ka ono e fetu ka fifili **mai noa**, to ligaliga ni ke nakai **katoatoa e tau fetu ne ono** ke lanu kula?

Fakamaama haau a tali mo e fakaaoga ke he tau fakataitaiaga probability mo e tau pasene (percentages) mai he fakatino pie chart.

This image shows the average temperature of each planet in degrees Celsius (°C).

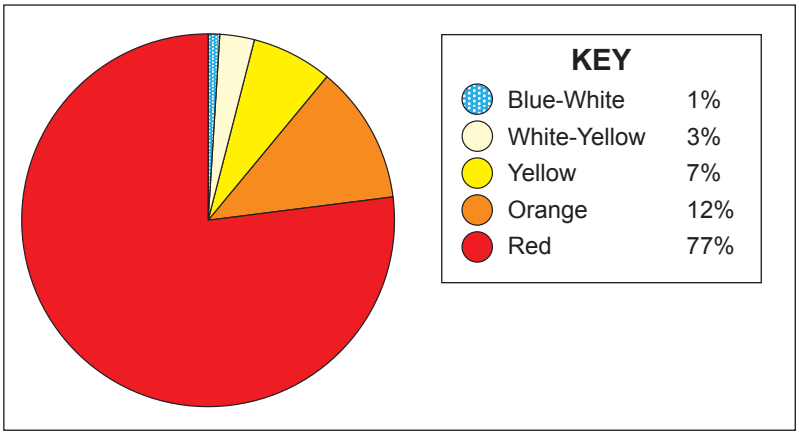


2(e) What is the **difference** in average temperature between the Earth and Jupiter?

[ ] °C

Stars are identified by their colours.

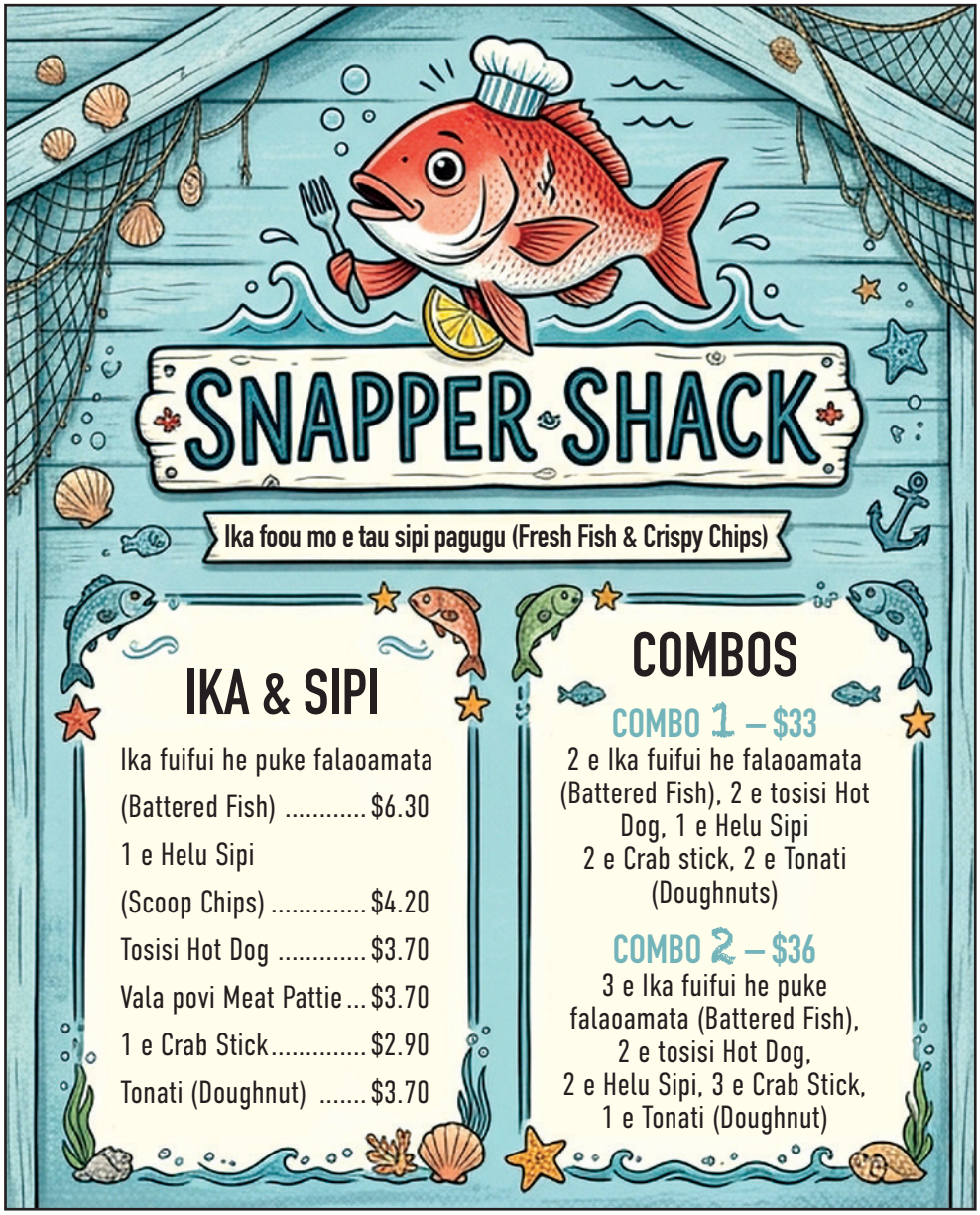
The pie chart below shows the percentage of each star colour in the universe.



2(f) If six stars are picked **at random**, is it likely that **all six stars** will be red?

Explain your answer using probability and percentages from the pie chart.

HUHU TOLU: Ika mo e sipi



Ki luga e fakailoaaga he tau menakai ne maeke ke uta (takeaway) mai he Snapper Shack.

3(a) Tau mukamuka mai nakai ke fakatau e Combo 1 ka e ua fakatau **taki taha mai** e tau vala menakai?

Fakakite mai haau a puhala ne moua aki e tali.

QUESTION THREE: Fish and chips



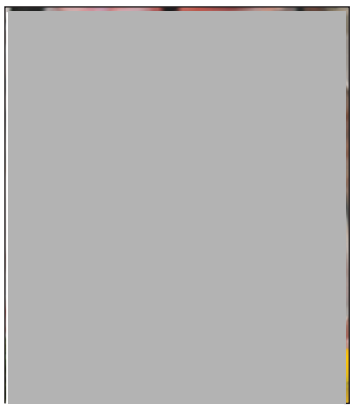
Above is Snapper Shack's takeaway menu.

3(a) How much cheaper is it to buy Combo 1 than it is to buy **the items** separately?

Show your working.

Fakatau he Snapper Shack e tau ika mata $48 he taha e kilo.

Helehele oti he kau e tau vala ke he mamafa 200 kuleme (grams) he taha e vala.



3(b) Ko e heigoa e totogi he taha e vala ika mata?

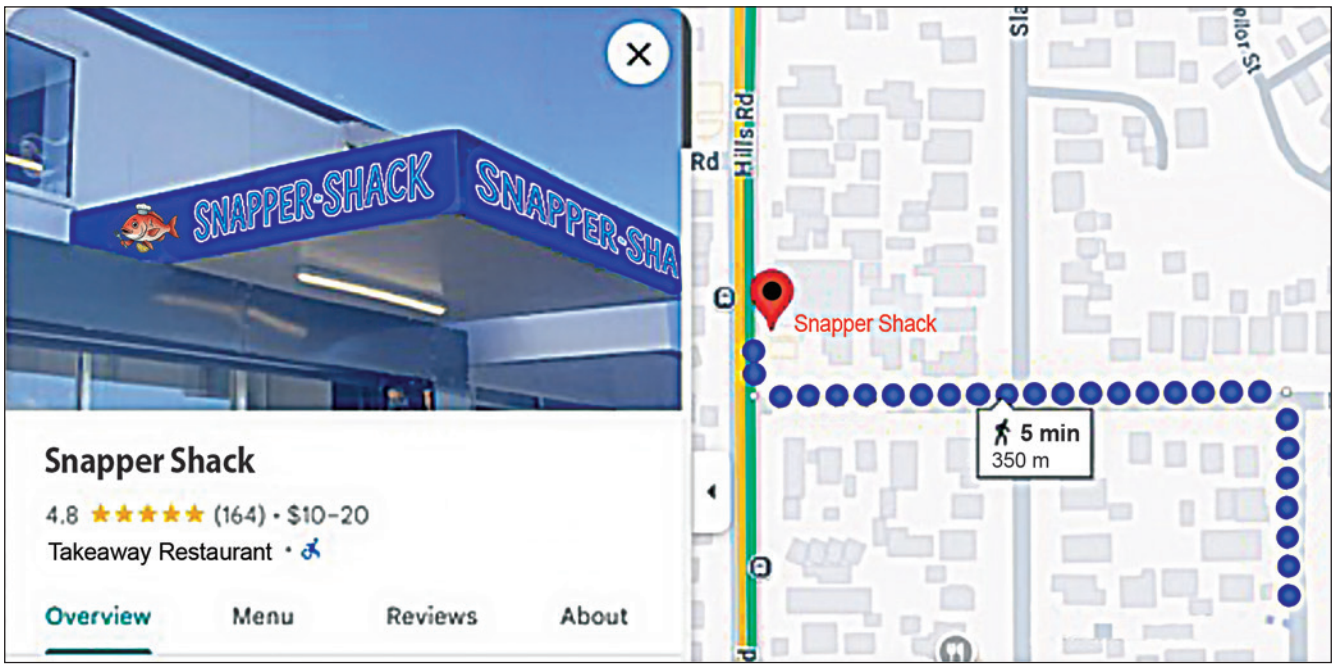
$ ☐

He tau 2026, ko e totogi he vala ika fuifui aki e falaoamata he Snapper Shack ko e 1.5 e fakalahi hake mai he 2016.



3(c) Kaeke ko e $6.30 e totogi he tau 2026, ko e heigoa e totogi he tau 2016?

$ ☐



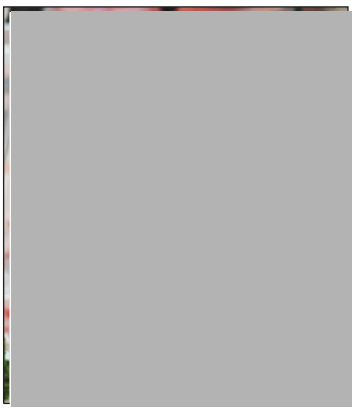
Pehe mai e Google Maps ko e 5 e minute ke fano hui 350 e mita mai he lotokaina ke hoko ke he Snapper Shack.

3(d) Ko e heigoa e fuafua mafiti lotoga he **tau kilomita ka fano hui ke he taha e tula** (km/h)?

☐ km/h

Snapper Shack buys fresh fish for $48 per kilogram.

They cut each piece to weigh 200 grams.



3(b) What is the price of one piece of fresh fish?

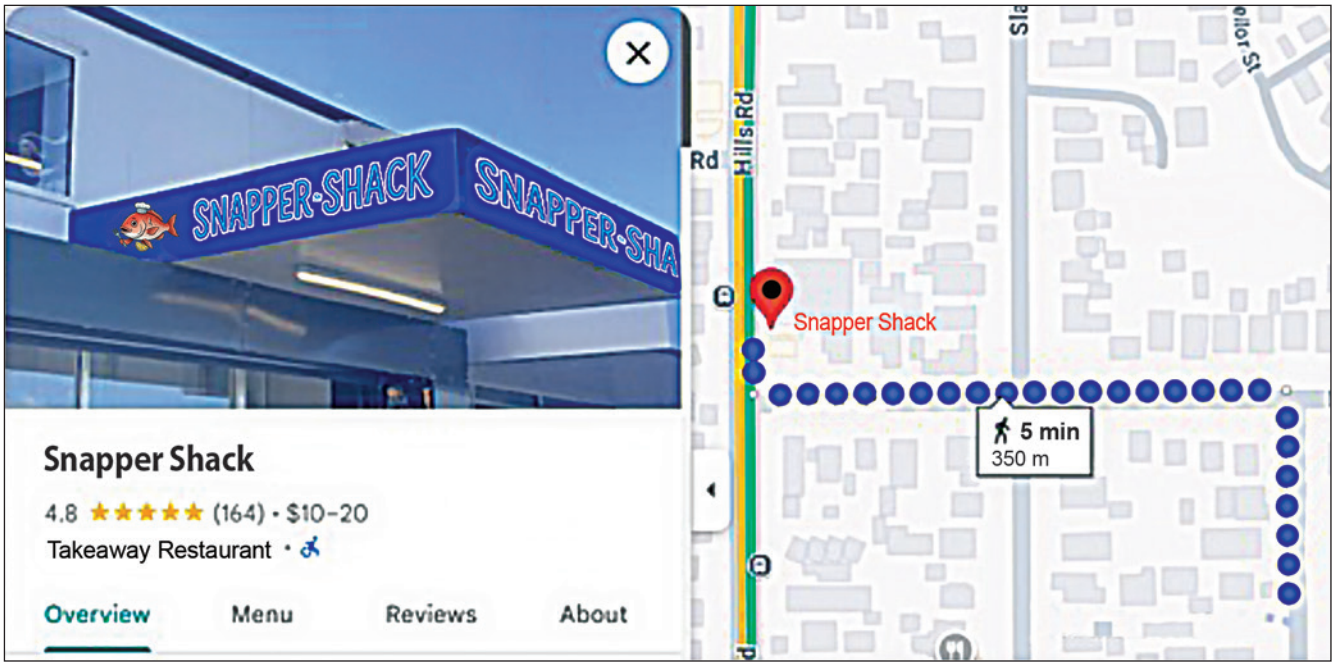
$ ☐

In 2026, the price of battered fish at Snapper Shack is 1.5 times what it was in 2016.



3(c) If the 2026 price is $6.30, what was the price in 2016?

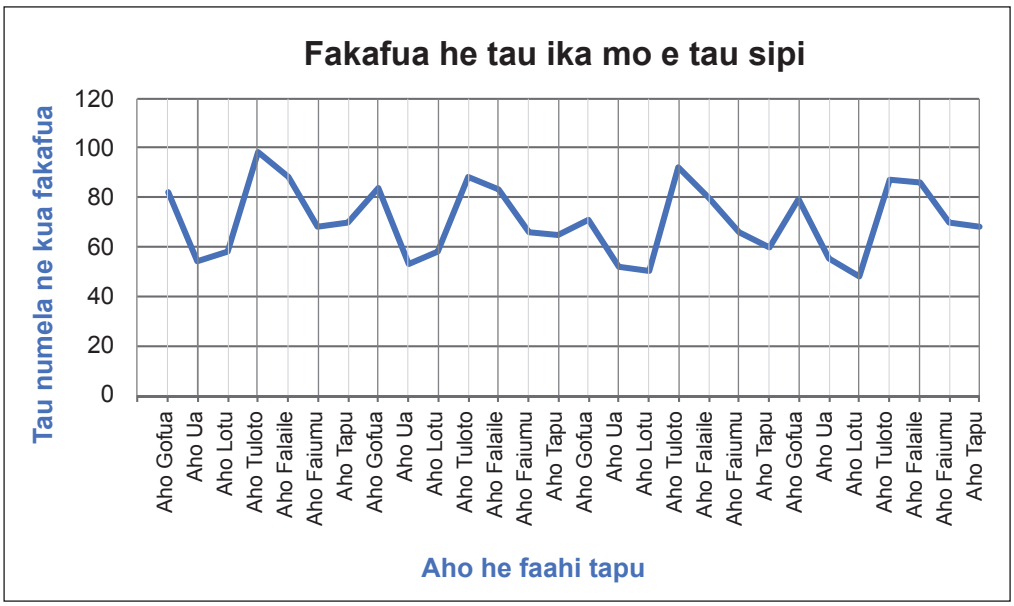
$ ☐



Google Maps says it takes 5 minutes to walk 350 metres from home to Snapper Shack.

3(d) What is the average walking speed in **kilometres per hour** (km/h)?

☐ km/h



Manako e maukoloa he Snapper Shack ke foaki e tau koloa totogi tau laukauka ke taki mai aki e tau tagata he tau aho ne ogoogo noa.

3(e) Ko e tau aho fe he faahi tapu ne kua mua e mitaki ke foaki e tau koloa totogi tau laukauka?

Fakaaoga e tau talahauaga mai he fakatino (graph) na i luga ke lagomatai aki e haau a tali.

Kai he tau tagata Niu Silani kavi ke he 1.7 e miliona e tau kai ika mo e sipi he tau mahina oti.

Ko e katoa he tau kai taki taha nei ko e $10.50.

3(f) Fakataitai ko e fiha e tupe he katoa ne fakafua aki e tau ika mo e sipi he tau mahina taki taha?

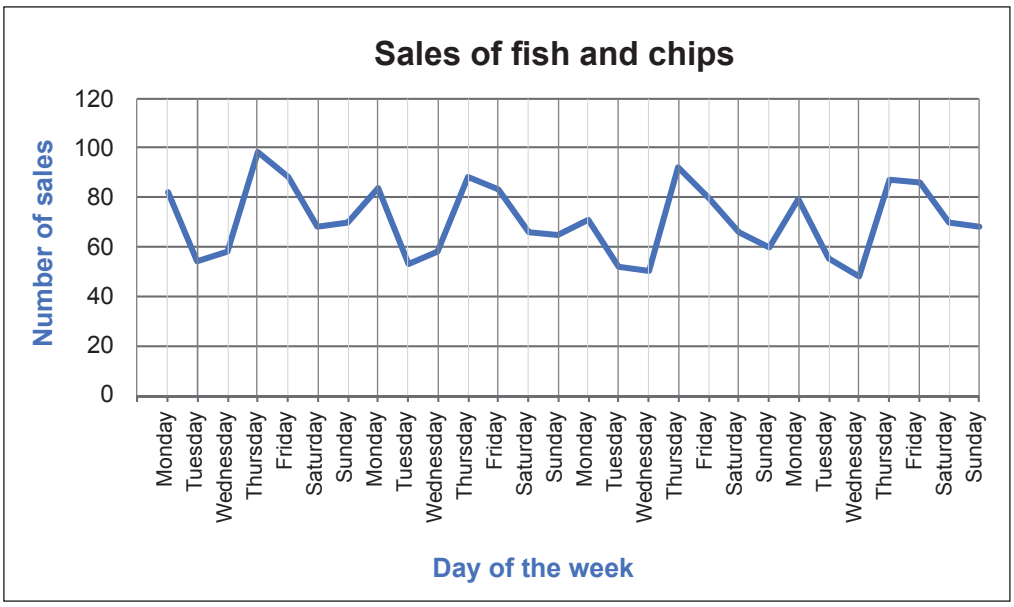
(i) Molea e 20 e miliona tala ◯

(ii) Kavi ke 20 e miliona tala ◯

(iii) Kavi ke 10 e miliona tala ◯

(iv) Lotoga e 1 e miliona mo e 2 e miliona tala ◯

(v) Nakai katoa e 1 e miliona tala ◯



The owner of Snapper Shack wants to offer specials to get more customers on quiet days.

3(e) What days of the week would be best for offering specials?

Use information from the graph above to support your answer.

New Zealanders eat about 1.7 million meals of fish and chips every month.

Each meal costs about $10.50.

3(f) About how much money is spent in total on fish and chips every month?

(i) More than $20 million ◯

(ii) About $20 million ◯

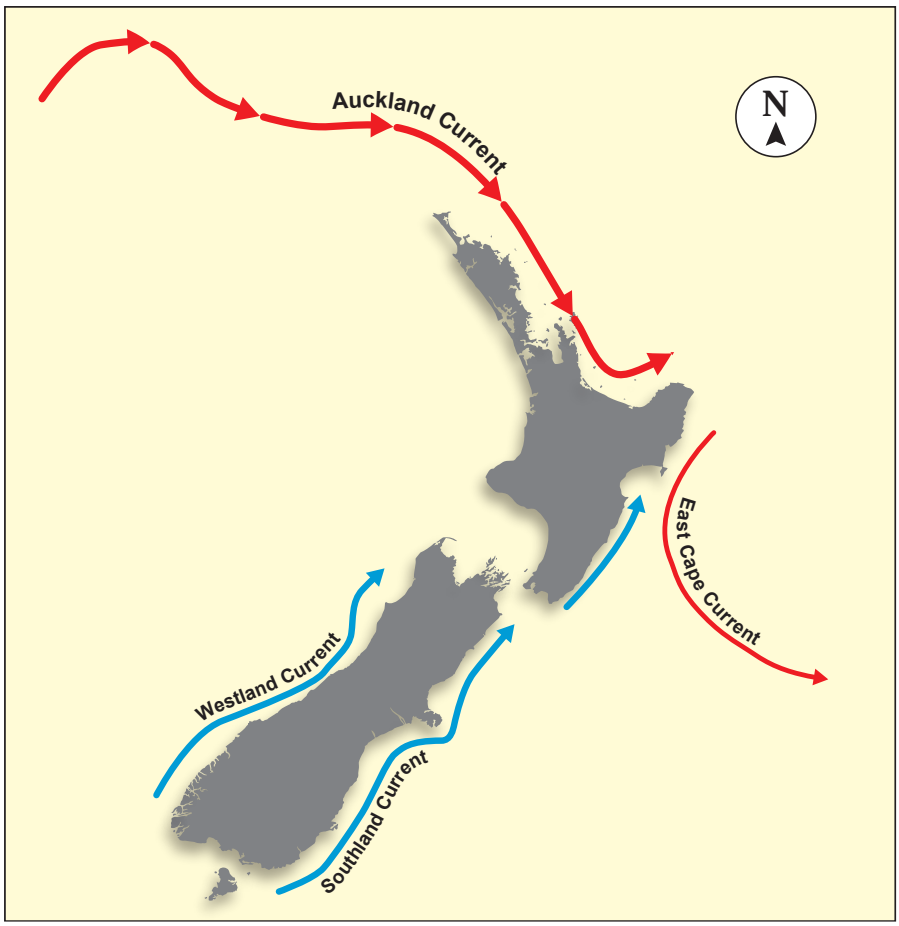
(iii) About $10 million ◯

(iv) Between $1 million and $2 million ◯

(v) Less than $1 million ◯

HUHU FA: Tau Moana

Fakakite he fakatino mepe (map) e tau matapatu peau ne viko takai a Niu Silani. Mokomoko e tau peau lanu moana. Mafanafana e tau peau lanu kula.



4(a) Fifili (✓) e faahi ne fae tafe ki ai e Westland Current (lanu moana).

(i) Faahi Tokelau ki lalo (North-west) ○

(ii) Faahi Toga (South) ○

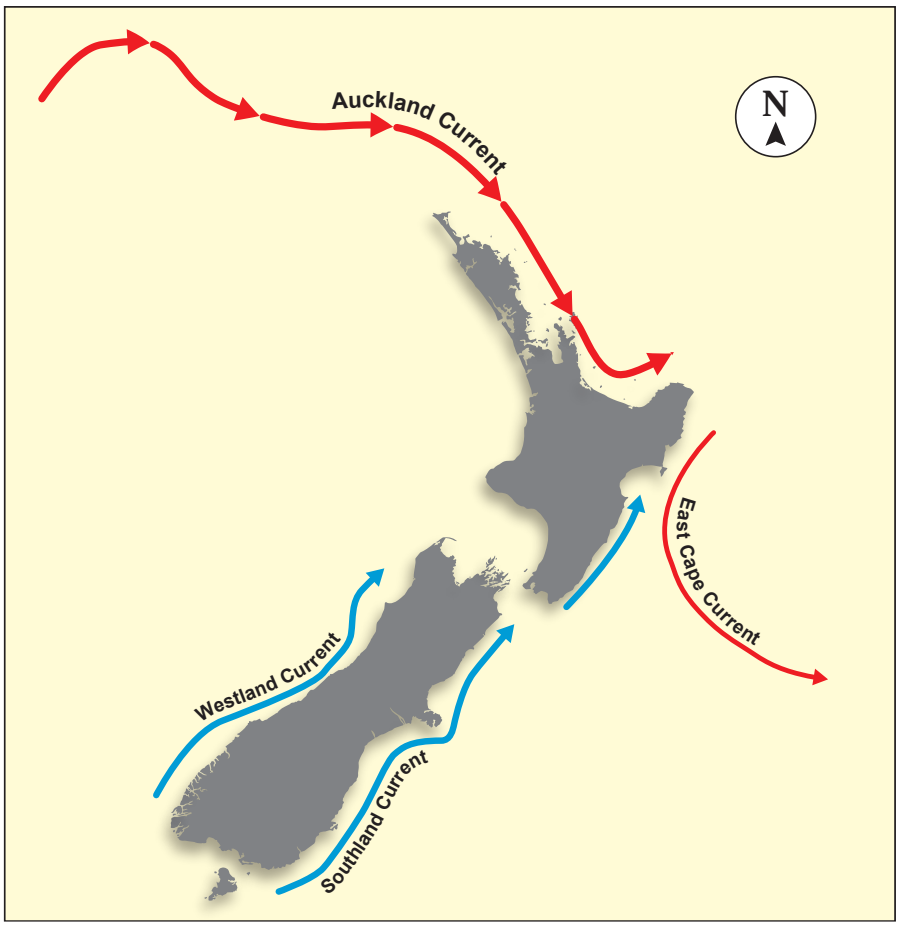
(iii) Faahi Toga ki Uta (South-east) ○

(iv) Faahi Uta (East) ○

(v) Faahi Tokelau ki Uta (North-east) ○

QUESTION FOUR: Oceans

This map shows the main ocean currents around New Zealand. Blue currents are cold. Red currents are warm.



4(a) Select (✓) the general direction in which the Westland Current (blue) moves.

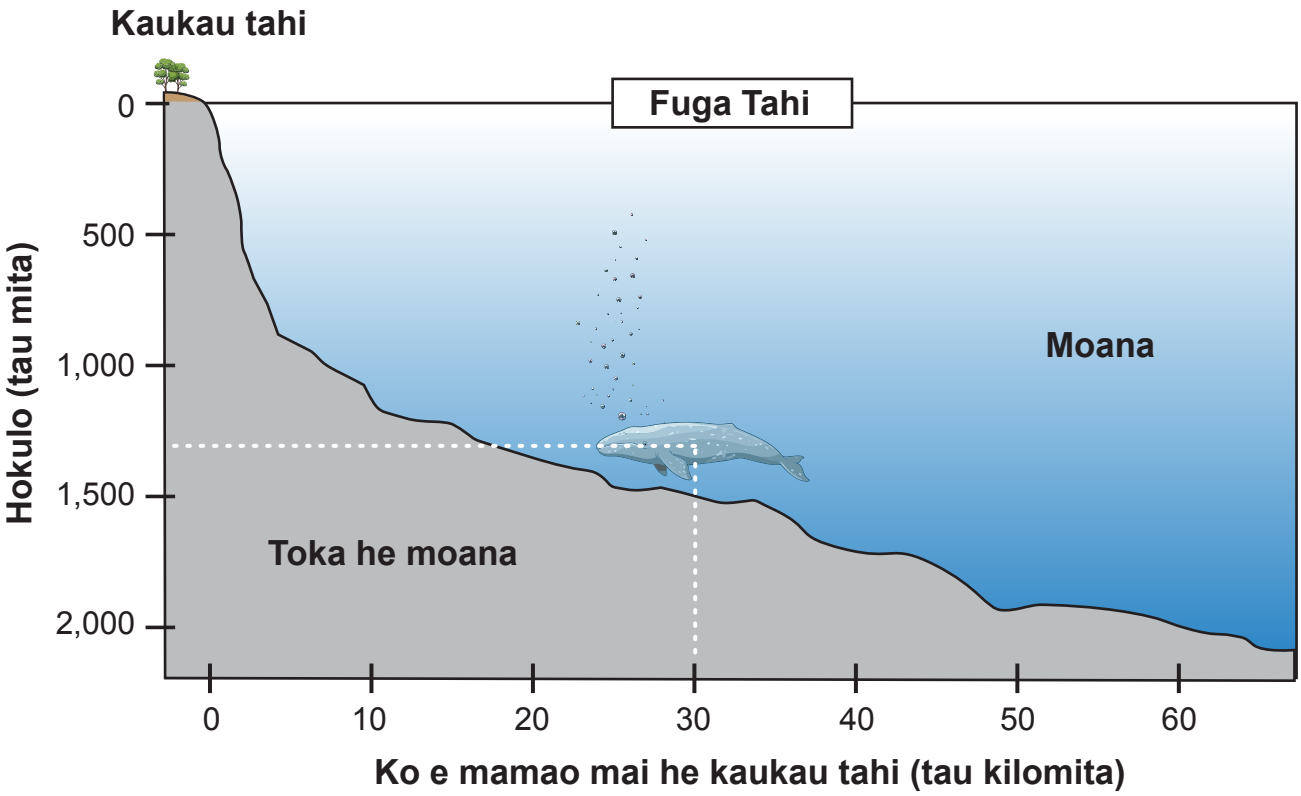
(i) North-west ◯

(ii) South ◯

(iii) South-east ◯

(iv) East ◯

(v) North-east ◯



Ko e tafua ne kitia ai ke he fakatino graph na i luga ne fakatai ke 30 e kilomita e mamao mai he kaukau tahi.

4(b) Fakatai ko e fiha e mita (m) ki lalo hifo he toka e tafua?

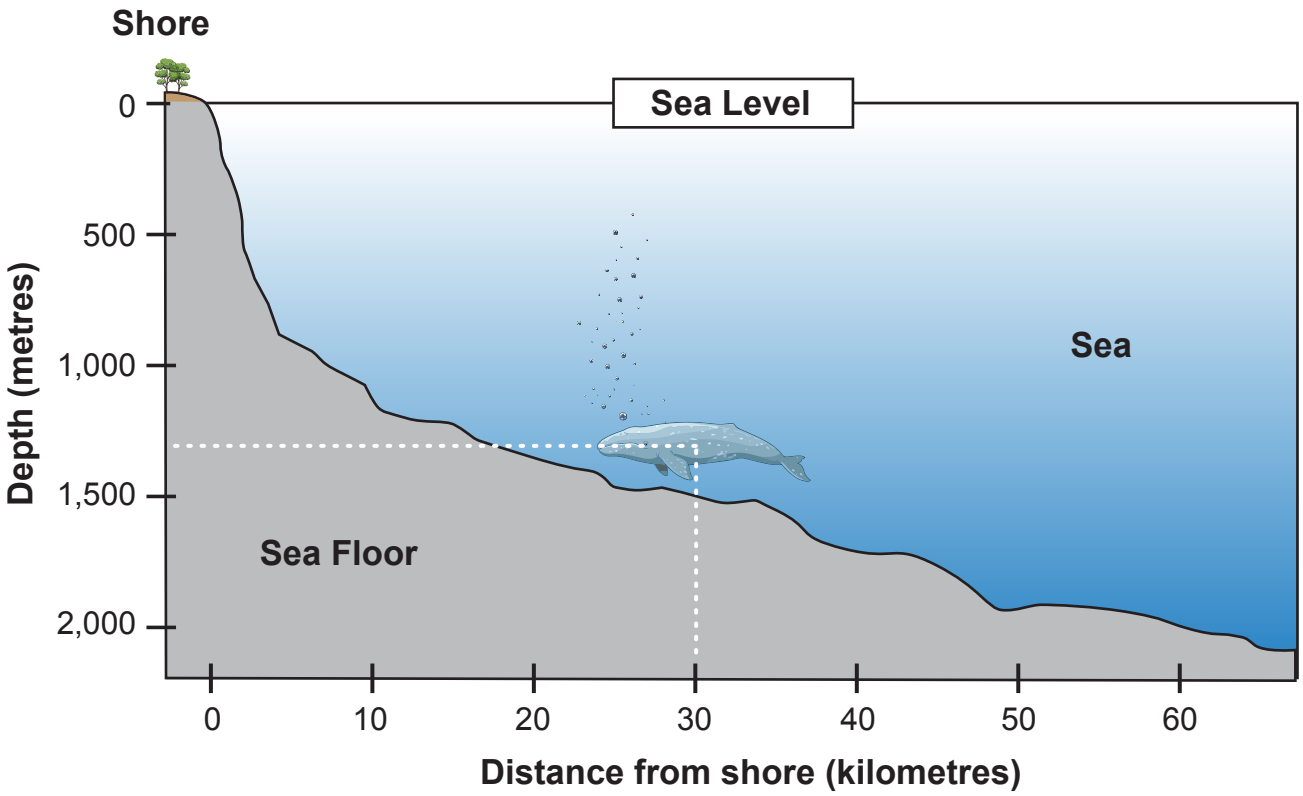
(i) 1,100 m ◯

(ii) 1,200 m ◯

(iii) 1,300 m ◯

(iv) 1,400 m ◯

(v) 1,700 m ◯



The whale shown in the graph above is about 30 kilometres from shore.

4(b) About how many metres (m) below sea level is the whale?

(i) 1,100 m ◯

(ii) 1,200 m ◯

(iii) 1,300 m ◯

(iv) 1,400 m ◯

(v) 1,700 m ◯

Ko e leo he tafua (sperm whale) ne holo he lalo he fuga vai ke he mafiti ko e 1,500 e mita he taha e sekone (second).



4(c) To loa fefe e magaaho he leo ke hoko ke he 30 e kilomita?

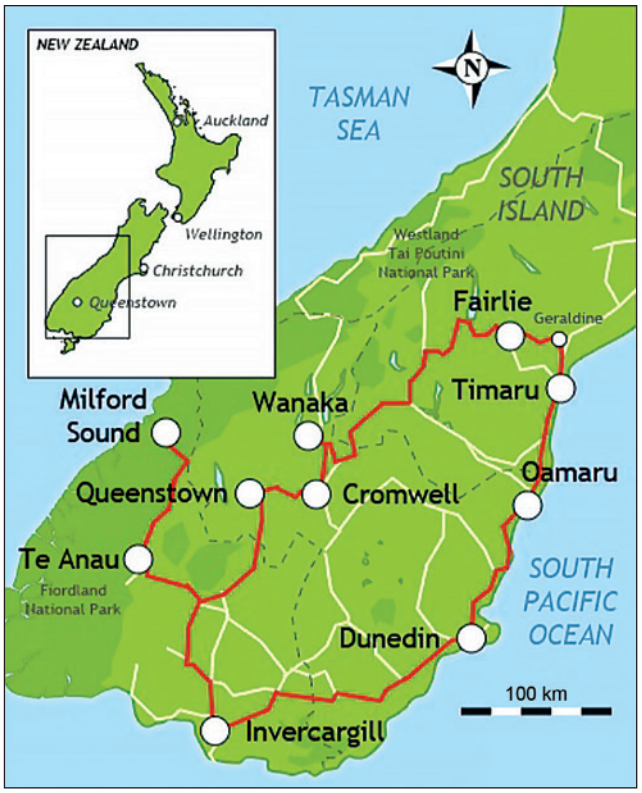
(i) 20 e tula ◯

(ii) 2 e minute ◯

(iii) 200 e sekone ◯

(iv) 20 e sekone ◯

(v) 2 e sekone ◯



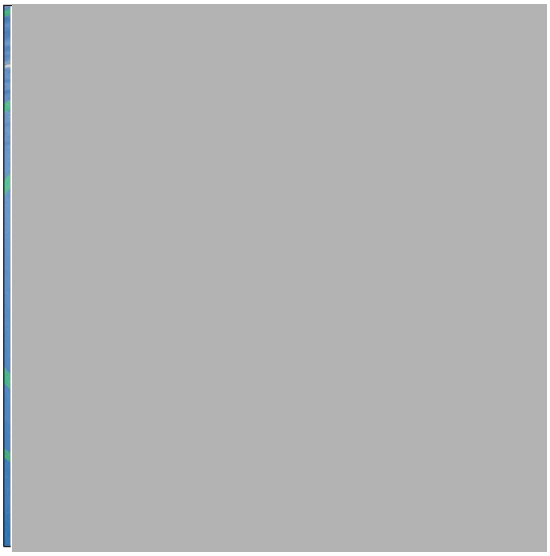
Ko Cromwell ko e taone i Niu Silani ne mua e mamao mai mo e tahi.

4(d) Kaeke ko e **laini hako**, ko e heigoa e veha ne mua e ku mai i a Cromwell ke he moana?

Fakaoti e tali haau ke he **10 e kilomita ne tata**.

[ ] km

The sound made by a sperm whale travels underwater at a speed of 1,500 metres per second.



4(c) How long would it take the sound to travel 30 kilometres?

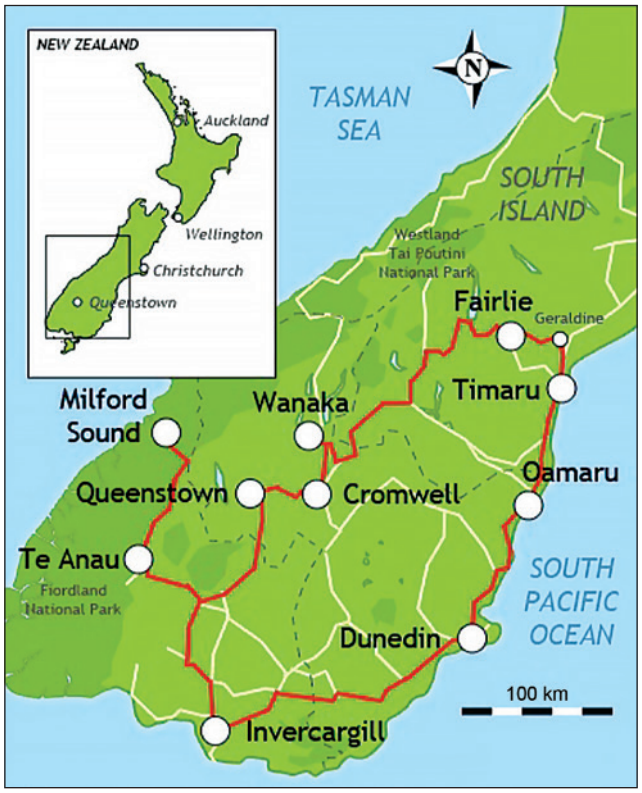
(i) 20 hours ◯

(ii) 2 minutes ◯

(iii) 200 seconds ◯

(iv) 20 seconds ◯

(v) 2 seconds ◯



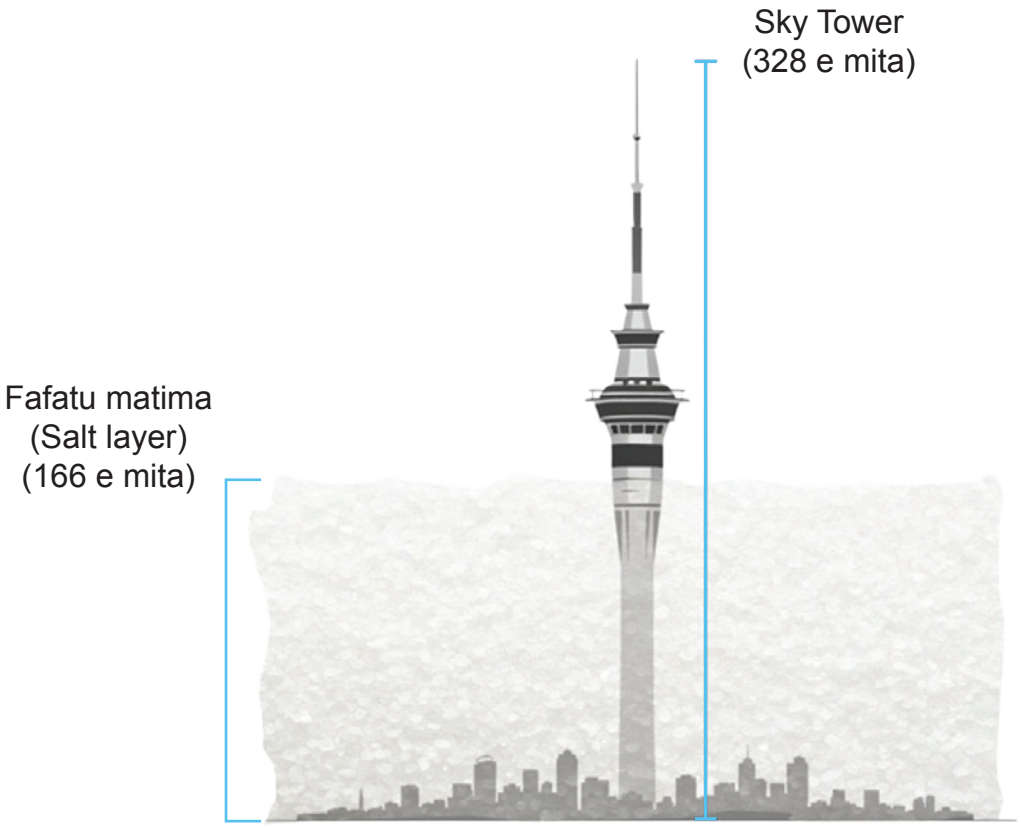
Cromwell is the New Zealand town furthest from the sea.

4(d) In a **straight line**, what is the shortest distance from Cromwell to the sea?

Round your answer to the **nearest 10 km**.

[ ] km

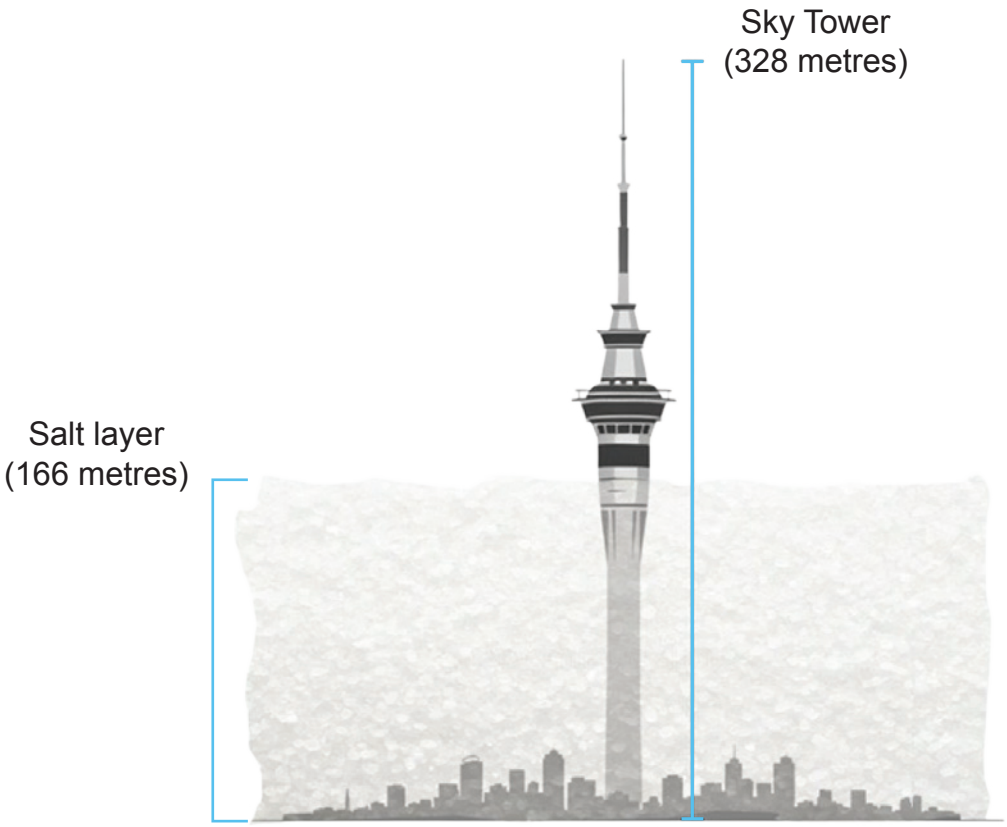
Lahi e matima i loto he tahi ke uufitia e fuga he lalolagi Earth aki e fafatu matima 166 e mita tokoluga.



4(e) Hoko nakai e fafatu matima ke hake ke hoko ke he lotoga e tokoluga he Sky Tower?

Fakaaoga e tau lafilafi ke fakamaama aki e haau a tali.

There is enough salt in the sea to cover the land surface of Earth with a layer of salt 166 metres high.

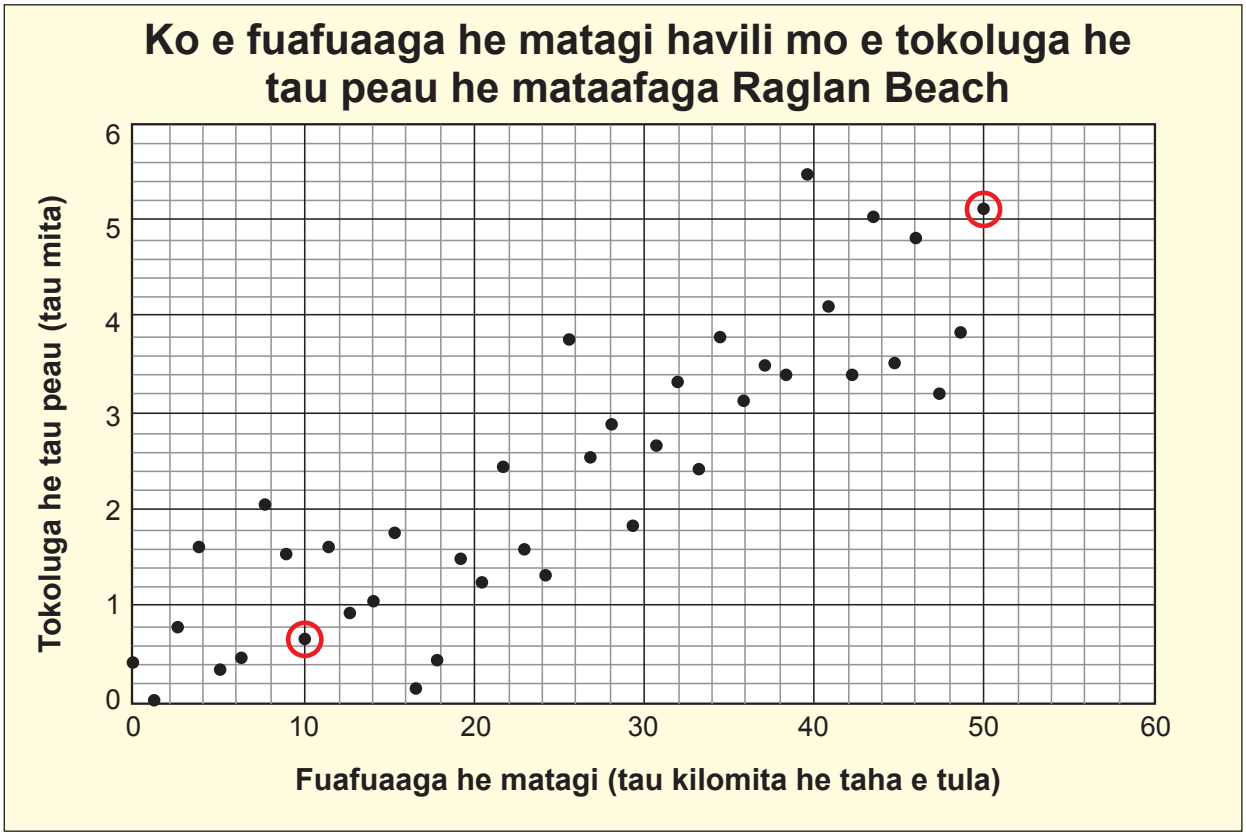


4(e) Would the salt layer come up to half the height of the Sky Tower?

Use calculations to explain your answer.

Fakakite he fakatino graph na i lalo e fuafuaaga he matagi havili mo e tokoluga he tau peau he mataafaga Raglan Beach.

Fakakite he tau ila taki taha e tau fuafuaaga ne taute he taha ni e magaaho.

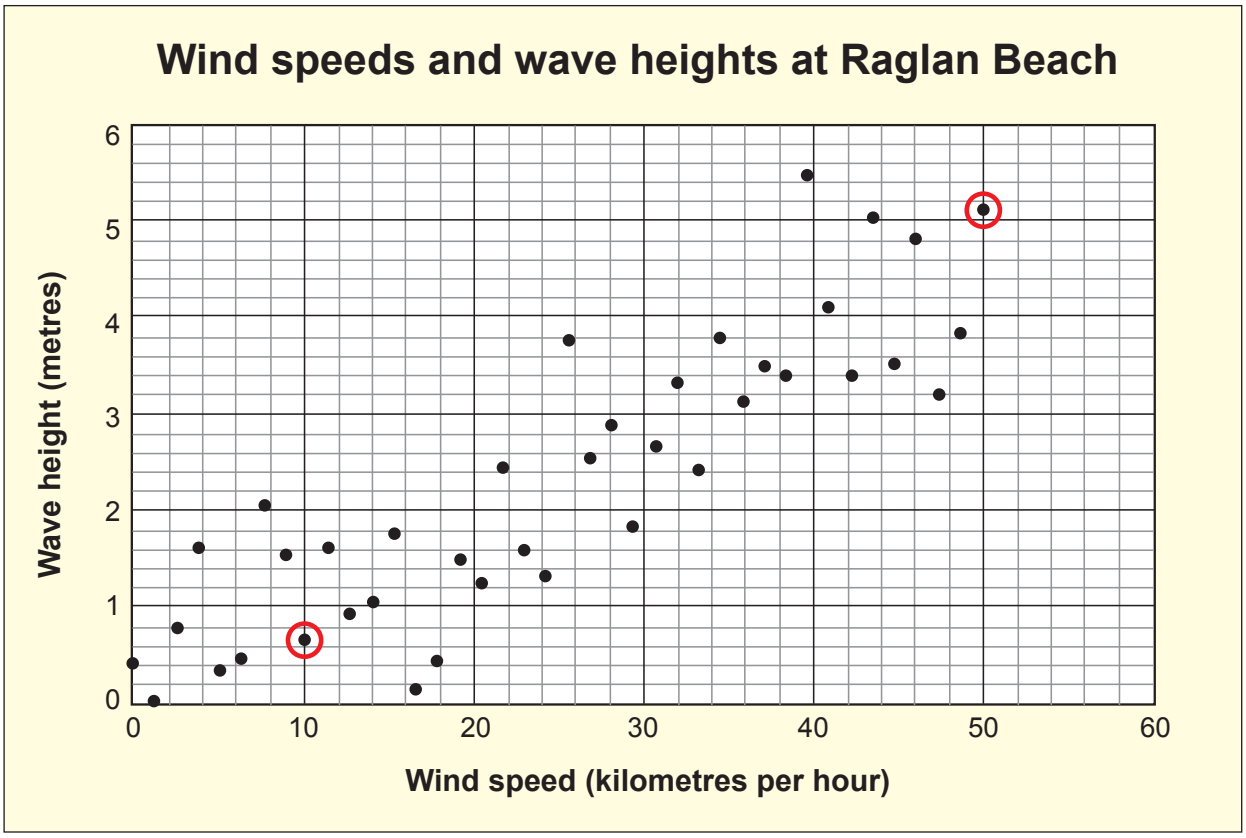


4(f) Ko e heigoa e mena ka tupu ke he fuafuaaga he tokoluga he peau he magaaho ka malikiti hake e fuafua matagi?

Fakaaoga e tau ila ne ua i loto he tau veliveli kula ke fakamaama aki haau a tali.

The graph below shows the wind speeds and wave heights at Raglan Beach.

Each dot shows both measurements taken at the same time.



4(f) What happens to wave height as wind speed increases?

Use the two points inside red circles to explain your answer.

HUHU LIMA: Koli

Ko e taha puhala koli ko e tukutukuaga he tau tu koli, tuga e, patipati e tau lima mo e lue ke he taha faahi.

Ne laga valu e foutu he taha e puhala koli.

Fakatagi e tau leo kofe tagi ke 120 e foutu he taha e minute.

5(a) Kaeke ke loaloa e koli ke hoko ke he **4** e minute, fiha la e puhala koli a ia?

☐ tau puhala koli

Fakakite he fakatino nei e taha vala he taha puhala koli.



5(b) Ligaliga ke fiha e fuafua degree he lima he tagata koli mai he ha lautolu a faahi tino?

(i) 45° ◯

(ii) 75° ◯

(iii) 90° ◯

(iv) 145° ◯

(v) 195° ◯

QUESTION FIVE: Dancing

A dance move is a group of actions, for example, clapping hands then stepping to the side.

Each dance move takes 8 beats.

The music plays at 120 beats per minute.

5(a) If the dance lasts for **4** minutes, how many moves are there?

[ ] moves

This image shows part of a dance move.



5(b) About how many degrees is the dancer's arm from their side?

(i) 45° ◯

(ii) 75° ◯

(iii) 90° ◯

(iv) 145° ◯

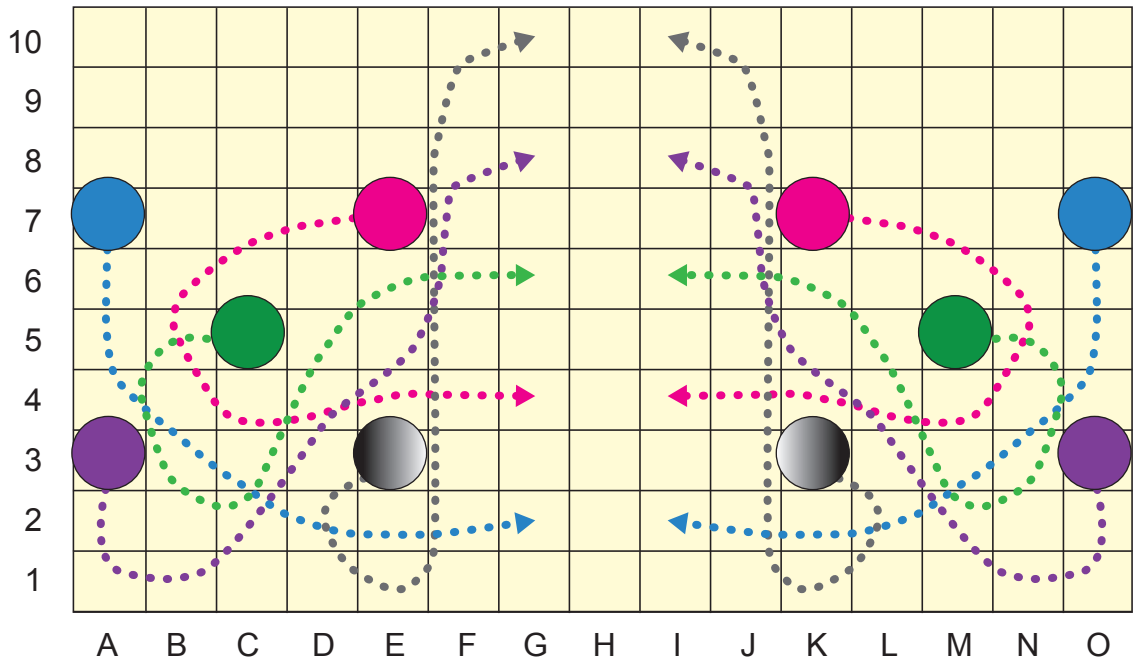
(v) 195° ◯

Taute he tau tagata koli e tau puhala koli ne tatai (symmetric) mo e nakai tatai (asymmetric) ke lalafi atu e fulufuluola ke he koli.

5(c) Fifili (✓) e fakatino ne tatai (fai laini fakaata).

			
(i) ◯	(ii) ◯	(iii) ◯	(iv) ◯

Ha i ai ke he fakatino nei ko e tau fua veliveli ko e tau tagata koli.



Kamata e tagata koli he tuaga (paka fa) **O7**.

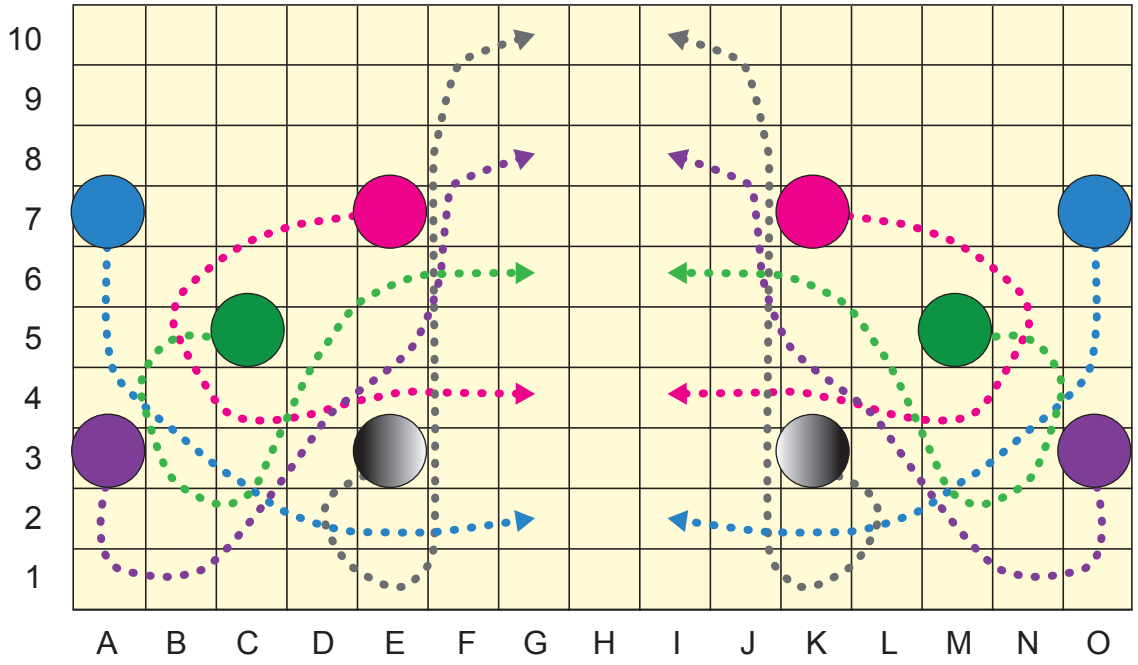
5(d) Tuku e taha matatohi mo e taha numela ke fakakite ko e tuaga fe ne fakaoti ki ai e tagata koli.

Dancers make symmetric and asymmetric shapes to add interest to the dance.

5(c) Select (✓) the image in which the dancer is symmetric (has a mirror line).

			
(i) ◯	(ii) ◯	(iii) ◯	(iv) ◯

In this diagram the circles are dancers.



A dancer starts at position (square) **O7**.

5(d) Enter a letter and a number to show which position the dancer finishes in.

Ne tuku hake he aoga fakaako koli e tau totogi na.



5(e) Fiha la e tupe haau ka mau **he taha e fufuta fakaako** kaeke ke fifili e koe e fakatokaaga ke 10 e fufuta fakaako?

$ [ ] he taha e fufuta fakaako

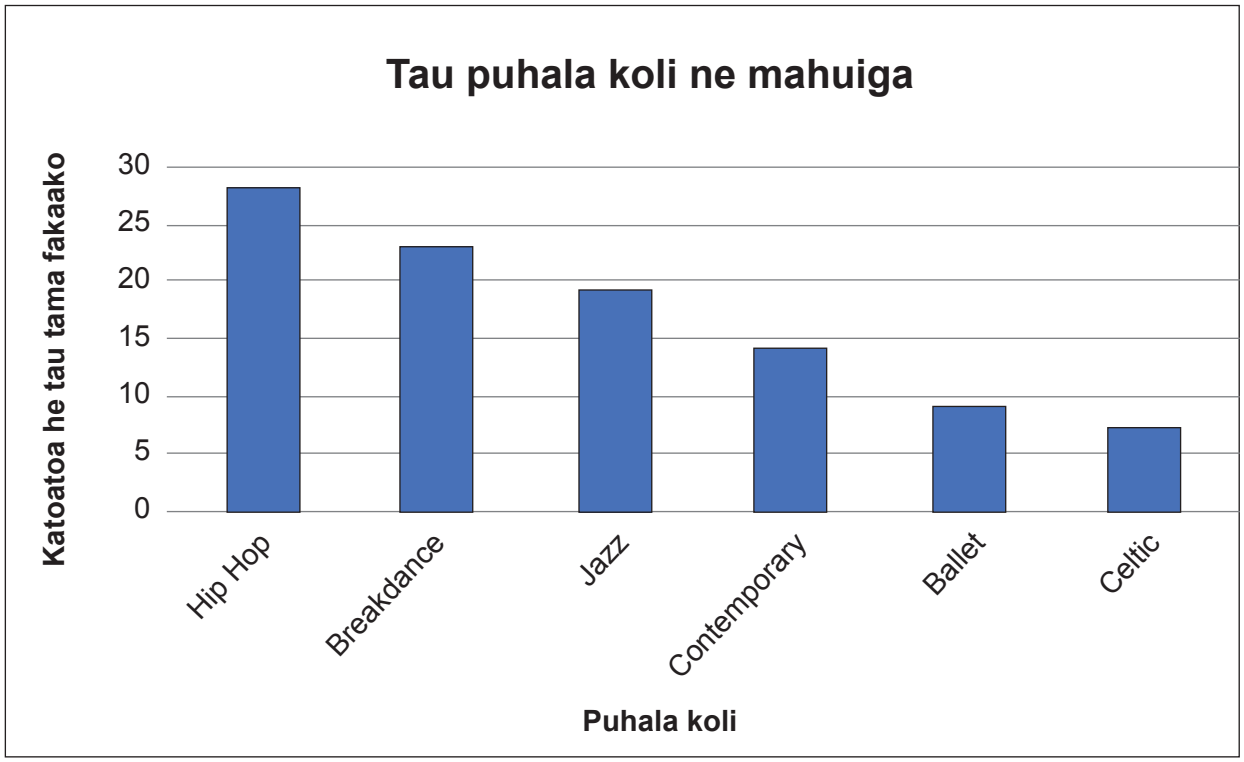
A dance school offers the following prices.



5(e) How much do you save **per lesson** by choosing the 10-lesson deal?

$ [ ] per lesson

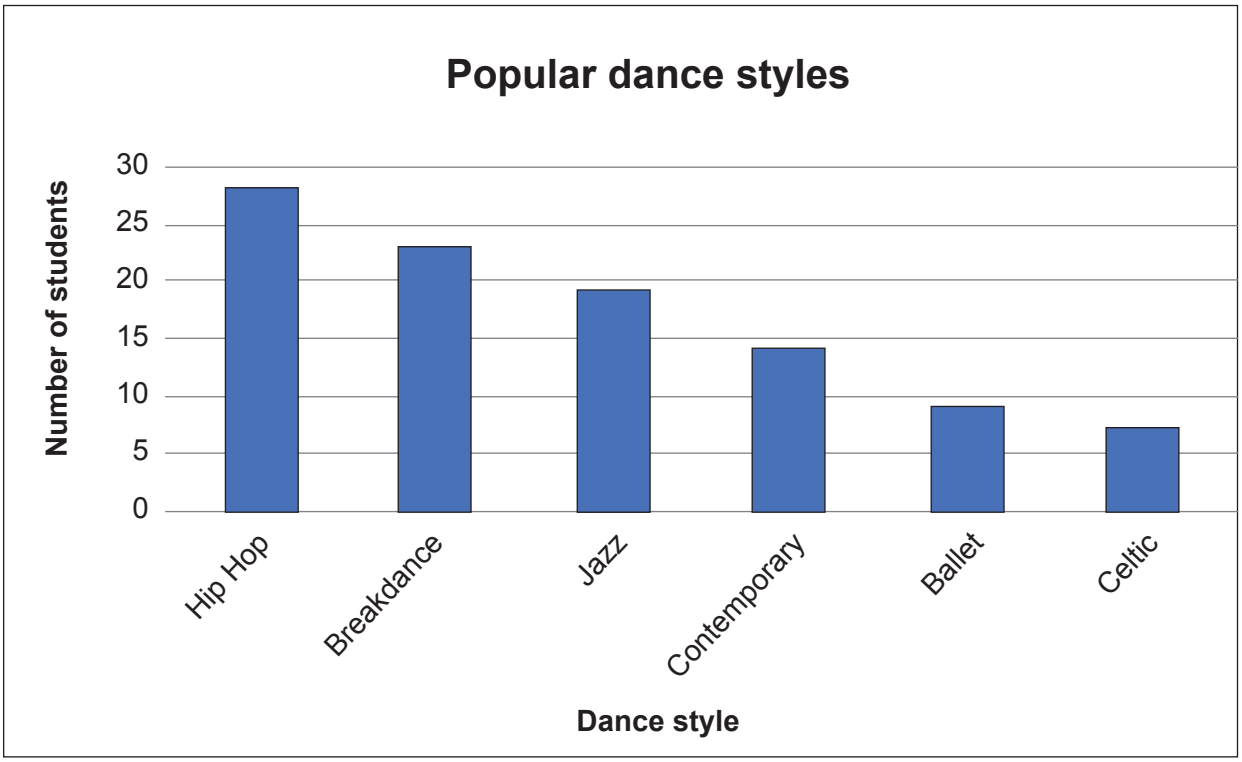
Fakakite he fakatino nei e puke tama fakaako ne fakaako ke he tau puhala koli kehekehe.



5(f) Loga atu nakai e tau fanau ne fakaako ke he Breakdance mai he Contemporary, Ballet mo e Celtic ka lalafi auloa?

Fakaaoga e tau puke tama mai he fakatino graph ke fakamaama aki haau a tali.

This graph shows the number of dance students learning different dance styles.



5(f) Are there more students learning Breakdance than Contemporary, Ballet, and Celtic combined?

Use the number of students from the graph to explain your answer.

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

NUMELA HUHU

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

QUESTION NUMBER

Tau fakaaue

Ko e tau koloa na ne kua hiki mo fakaaoga ma e kamatamata nei.

Huhu Taha

Tau laupepa 2–3: Puke fakahumelie, ne fakaaoga e AI ke talagai aki fakamooli
Pata, ne fakaaoga e AI ke talagai aki fakamooli
Tau laupepa 4–5: Sioki huhu, ne fakaaoga e AI ke talagai aki fakamooli
Eke e polu mo e lakau kilukilu mo koloa, https://stock.adobe.com/images/flat-line-icons-set-of-baking-and-pastry-tools/2028113035
Tau laupepa 6–7: Apa keke, https://ecomstore.co.nz/products/bakemaster-loose-base-sq-deep-cake-pan-20-x-20-x-7cm-non-stick
Tau laupepa 8–9: Tau magiki, ne fakaaoga e AI ke talaga aki fakamooli

Huhu Ua

Tau laupepa 10–11: Tau lalolagi (Planets), https://www.skyatnightmagazine.com/space-science/facts-about-astronomy-space
Tau laupepa 12–13: Tau faahi kehekehe he Mahina, https://www.timeanddate.com/astronomy/moon/phases.html
Tau laupepa 14–15: Halley's Comet, https://en.wikipedia.org/wiki/Halley%27s_Comet
Tau laupepa 16–17: Tau vala maka (Asteroids), https://en.wikipedia.org/wiki/4_Vesta
Tau laupepa 18–19: Tau lalolagi (Planets), https://stock.adobe.com/images/the-planets-of-the-solar-system-isolated-on-white-background-3d-space-render-elements-of-this-image-are-furnished-by-nasa/255791889

Huhu Tolu

Tau laupepa 20–21: Ko e fakatokaaga (Menu), ne fakaaoga e AI ke talaga aki fakamooli
Tau laupepa 22–23: Tau ika (Fish), https://www.instagram.com/p/DZPKpbNjc_M/
Tau ika falai aki e puke falaoamata (Battered fish), https://www.kuraplan.com/free-images/food_fish_and_chips
Google map, Google Maps 2026 / Maxar Technologies

Huhu Fa

Tau laupepa 26–27: Fakatino mepe (Map), https://www.researchgate.net/figure/General-water-circulation-around-New-Zealand-Warm-and-cold-currents-are-shown-in-red-and_fig11_280720668
Tau laupepa 28–29: Tafua (Whale), AdobeStock_2029242063
Akau (Tree), AdobeStock_1901863942
Tau laupepa 30–31: Tafua Sperm whale, https://www.discovery.com/nature/sperm-whales-are-loud-enough-to-burst-your-eardrums
Mepe (Map), https://www.discovery-motorhomes.co.nz/catalogue/exque-10di.php
Tau laupepa 32–33: Sky Tower, ne fakaaoga e AI ke talaga aki fakamooli
Tau laupepa 34–35: Tau vala tala ma e fakatino graph (Information for graph), https://www.surf-forecast.com/breaks/Raglan-whale-Bay

Huhu Lima

Tau laupepa 36–37: Ko e tu koli, ne fakaaoga e AI ke talaga aki fakamooli
Tau laupepa 38–39: Tau foliga ne ataata mai he tau tu koli, ne fakaaoga e AI ke talaga aki fakamooli
Tau laupepa 40–41: Fakatino fakatata aki e koli, ne fakaaoga e AI ke talaga aki fakamooli

Acknowledgements

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

Question One

Pages 2–3: Liquid sweetener, created using generative AI
Butter, created using generative AI
Pages 4–5: Milk jug, created using generative AI
Bowl and whisk for icon, https://stock.adobe.com/images/flat-line-icons-set-of-baking-and-pastry-tools/2028113035
Pages 6–7: Cake tin, https://ecomstore.co.nz/products/bakemaster-loose-base-sq-deep-cake-pan-20-x-20-x-7cm-non-stick
Pages 8–9: Monkeys, created using generative AI

Question Two

Pages 10–11: Planets, https://www.skyatnightmagazine.com/space-science/facts-about-astronomy-space
Pages 12–13: Moon phases, https://www.timeanddate.com/astronomy/moon/phases.html
Pages 14–15: Halley's Comet, https://en.wikipedia.org/wiki/Halley%27s_Comet
Pages 16–17: Asteroid, https://en.wikipedia.org/wiki/4_Vesta
Pages 18–19: Planets, https://stock.adobe.com/images/the-planets-of-the-solar-system-isolated-on-white-background-3d-space-render-elements-of-this-image-are-furnished-by-nasa/255791889

Question Three

Pages 20–21: Menu, created using generative AI
Pages 22–23: Fish, https://www.instagram.com/p/DZPKpbNjc_M/
Battered fish, https://www.kuraplan.com/free-images/food_fish_and_chips
Google map, Google Maps 2026 / Maxar Technologies

Question Four

Pages 26–27: Map, https://www.researchgate.net/figure/General-water-circulation-around-New-Zealand-Warm-and-cold-currents-are-shown-in-red-and_fig11_280720668
Pages 28–29: Whale, AdobeStock_2029242063
Tree, AdobeStock_1901863942
Pages 30–31: Sperm whale, https://www.discovery.com/nature/sperm-whales-are-loud-enough-to-burst-your-eardrums
Map, https://www.discovery-motorhomes.co.nz/catalogue/exque-10di.php
Pages 32–33: Sky Tower, created using generative AI
Pages 34–35: Information for graph, https://www.surf-forecast.com/breaks/Raglan-whale-Bay

Question Five

Pages 36–37: Dance pose, created using generative AI
Pages 38–39: Dance silhouettes, created using generative AI
Pages 40–41: Dance poster, created using generative AI

English translation of the wording on the front cover

32406N TERM 3

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

+

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Credits: Ten

32406N

WEEK TWO | 14–18 SEPTEMBER 2026

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 2–48 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.

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