

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 KUATA 2

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 UA | 26–30 ME 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.

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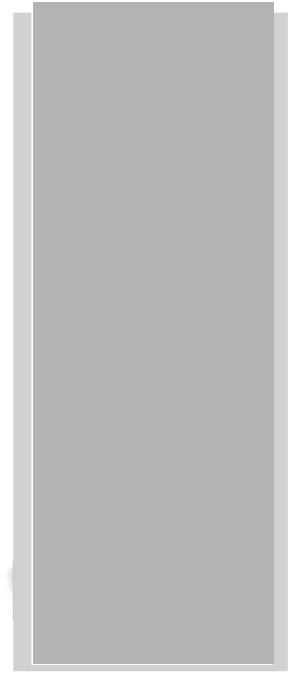
To nakai fai vala he pepa nei ne maeke ke liu ke fai lagaki ka e kua nakai la moua mai e fakaataaga mai he New Zealand Qualifications Authority.

HUHU TAHA: Manako lagomatai a matua fifine

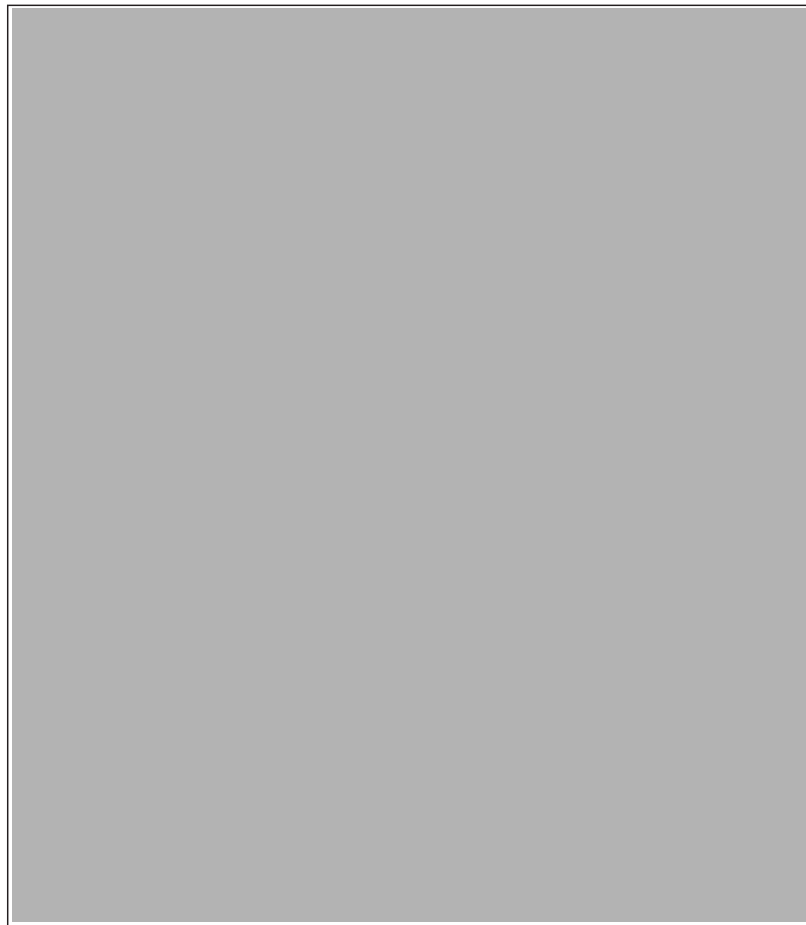
To fakaaoga a matua fifine he tau tokotoko ke fa e faahi tapu.

Pehe a ia, ko e “40,000 minute he fa e faahi tapu”.

- (a) Hako nakai a ia? Fakaaoga e fuafuaaga tula ke fakamaama haau a tali.



Kua lata e tau tokotoko ha matua fifine ke fakatoka ke hako e mapelu he lima (correct angle).



- (b) Fiha e degree ne mapelu ke he faahi hako (correct angle)?

 °

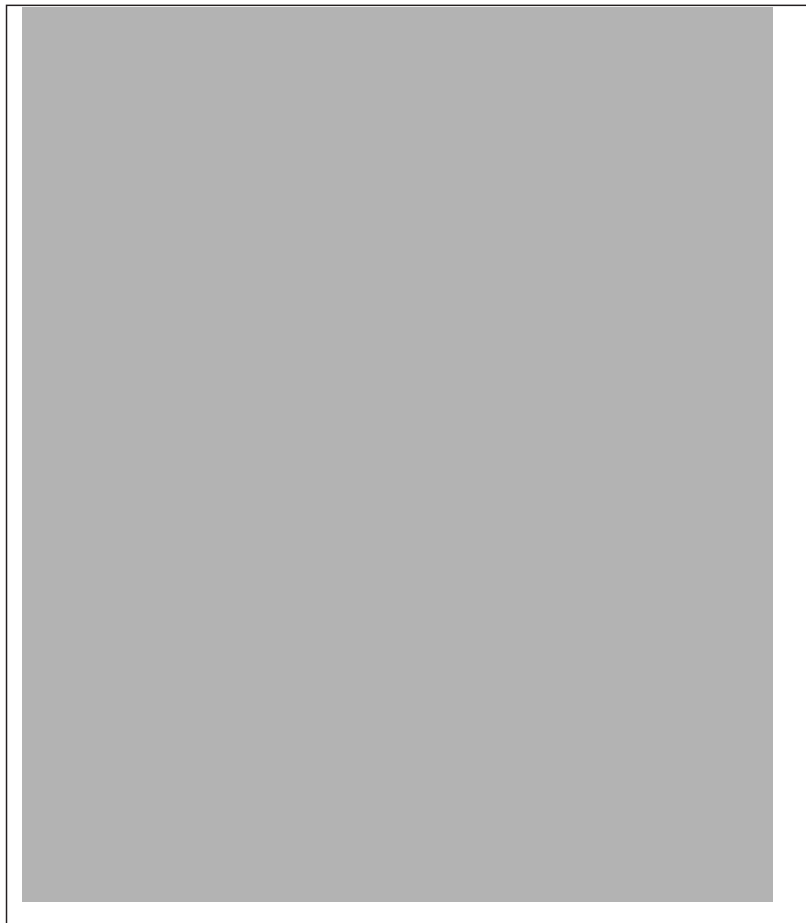
QUESTION ONE: Mum needs help

Mum will be on crutches for four weeks.

She says, "Four weeks is about 40,000 minutes".

- (a) Is she right? Use time calculations to explain your answer.

Mum's crutches need to be set so that her arm is bent at the correct angle.



- (b) How many degrees is the correct angle?

 °

Uta he kapitiga e kuli he matua fifine ke laka hui. Fakakite he laini ke he mepe e hala ne oatu a laua.

Ne fakamailoga he **X** matakavi ke 900 mita he hala ne oatu ai mai he kamataaga he laka hui.



(c) Tiki (✓) e matatohi ne fakakite e fuafuaaga (scale) hako ma e mepe nei.

A ☐

B ☐

C ☐

D ☐

E ☐

A friend takes Mum's dog for a walk. The dashed line on the map shows the path they take. The **X** marks about 900 metres along the path from the start of the walk.



(c) Tick (✓) the letter that shows the correct scale for this map.

- A ☐ B ☐ C ☐ D ☐ E ☐

Kua lata a matua fifine ke fai puha he katene ne kua fakapuke aki e kelekele mo to aki e tau vesetapolo.



(d) Fiha e cubic metres (m^3) fua kelekele ne kua lata ki ai?

 m^3

Lima e kilo he tau menatui ne tuku e matua taane ki loto he masini unu.

Ka oti e unu, ne fakalahi laga 1.8 e mamafa atu he tau mena tui pala mai he magaaho ne momo ai.

(e) Fiha e kilo mamafa he tau menatui **pala**?

 kg

Mailoga e matua fifine kua $\frac{3}{4}$ ne kua puke he apa veve 240 lita.

(f) Lahi fefe e vala **ne toe**, kaeke ke totou ke he tau lita i loto he apa veve?

 L

Mum needs to have a garden box filled with dirt to grow vegetables.



- (d) How many cubic metres (m^3) of dirt are needed?

m^3

Dad puts 5 kilograms of clothes into the washing machine.

After washing, the wet clothes weigh 1.8 times as much as the dry clothes did.

- (e) How much do the **wet** clothes weigh, in kilograms?

kg

Mum notices that the 240-litre rubbish bin is $\frac{3}{4}$ full.

- (f) How much space, in litres, is **left** in the bin?

L

HUHU UA: Tau peleue

Kehekehe e tau fuafua lalahi he tau peleue.

Fuafua	Fatafata (cm)	Tokupu (cm)	Lima Tapulu (cm)
Tote Lahi (X-Small)	86–88	71–73	81–83
Tote (Small)	89–95	74–76	84–85
Vahaloto (Medium)	96–105	77–84	86–88
Lahi (Large)	106–111	85–94	89–90
Lahi Mahaki (X-Large)	112–122	95–101	91–93

88 cm e loa he lima ha Jack (loa he lima tapulu), mo e 110 cm e fuafuaaga he haana a fatafata.



Fili manatu a Jack moe talia ni ko e fuafua tapulu 'Large' ne kua lata tonu ke fakatau.

- (a) Talia nakai a koe? Fakaaoga e tau fuafuaaga mai he puha (table) ke fakamaama aki haau a tali.

QUESTION TWO: Jackets

Jackets come in different sizes.

Size	Chest (cm)	Waist (cm)	Sleeve (cm)
X-Small	86–88	71–73	81–83
Small	89–95	74–76	84–85
Medium	96–105	77–84	86–88
Large	106–111	85–94	89–90
X-Large	112–122	95–101	91–93

Jack’s arm (sleeve length) measures 88 cm, and his chest measures 110 cm.



Jack thinks that a size ‘Large’ will be the best jacket size to buy.

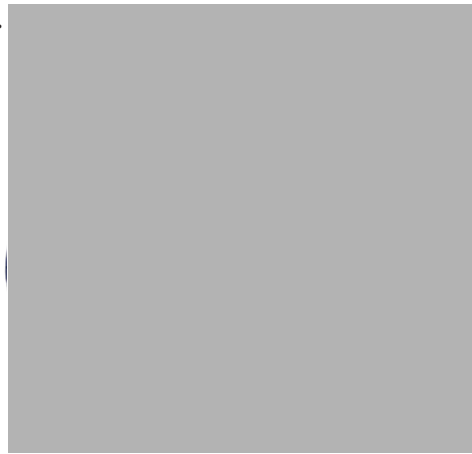
(a) Do you agree? Use measurements from the table to explain your answer.

Ko e fakatau ne fa mahani ki ai e peleue nei ko e \$179.

Ka e ka sela, to tuku hifo e tologi 30% ma haau.

(b) Ko e heigoa e tologi he peleue ka sela?

\$



Ke he falu a magaaho, ha ha i ai e tau lagomatai fuafuaaga he vela ke he tau peleue.



Ko e lagomatai ke fuafua e vela (temperature-range) he peleue.

(c) Tiki (✓) e fuafuaaga vela ne kua lata ma e peleue mamafa.

- (i) 10 °C to 20 °C ☐
- (ii) -1 °C to 10 °C ☐
- (iii) -6 °C to -1 °C ☐
- (iv) -20 °C to -6 °C ☐
- (v) -30 °C to -20 °C ☐

The price of this jacket is usually \$179.

On sale, you get 30% off.

(b) What is the sale price of the jacket?

\$



Sometimes, jackets have a temperature-range guide.



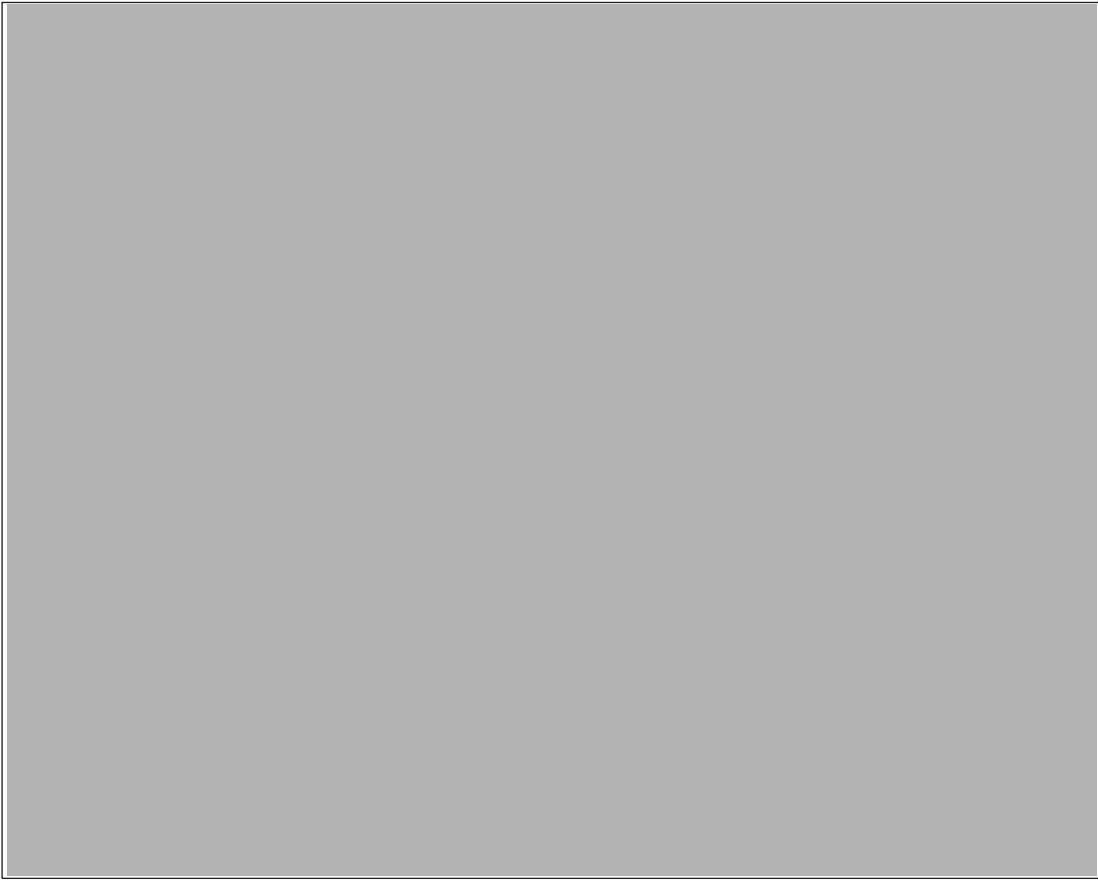
Jacket temperature-range guide.

(c) Tick (✓) the temperature range that a heavy-weight jacket is made for.

- (i) 10 °C to 20 °C ☐
- (ii) -1 °C to 10 °C ☐
- (iii) -6 °C to -1 °C ☐
- (iv) -20 °C to -6 °C ☐
- (v) -30 °C to -20 °C ☐

Mafana atu a koe kaeke ke mitaki lahi e vahega he koloa ne fakaalo aki e peleue (fill quality – FQ).

Hanei e tau FQs, tau mamafa, mo e tau fakatau he tolu e peleue.

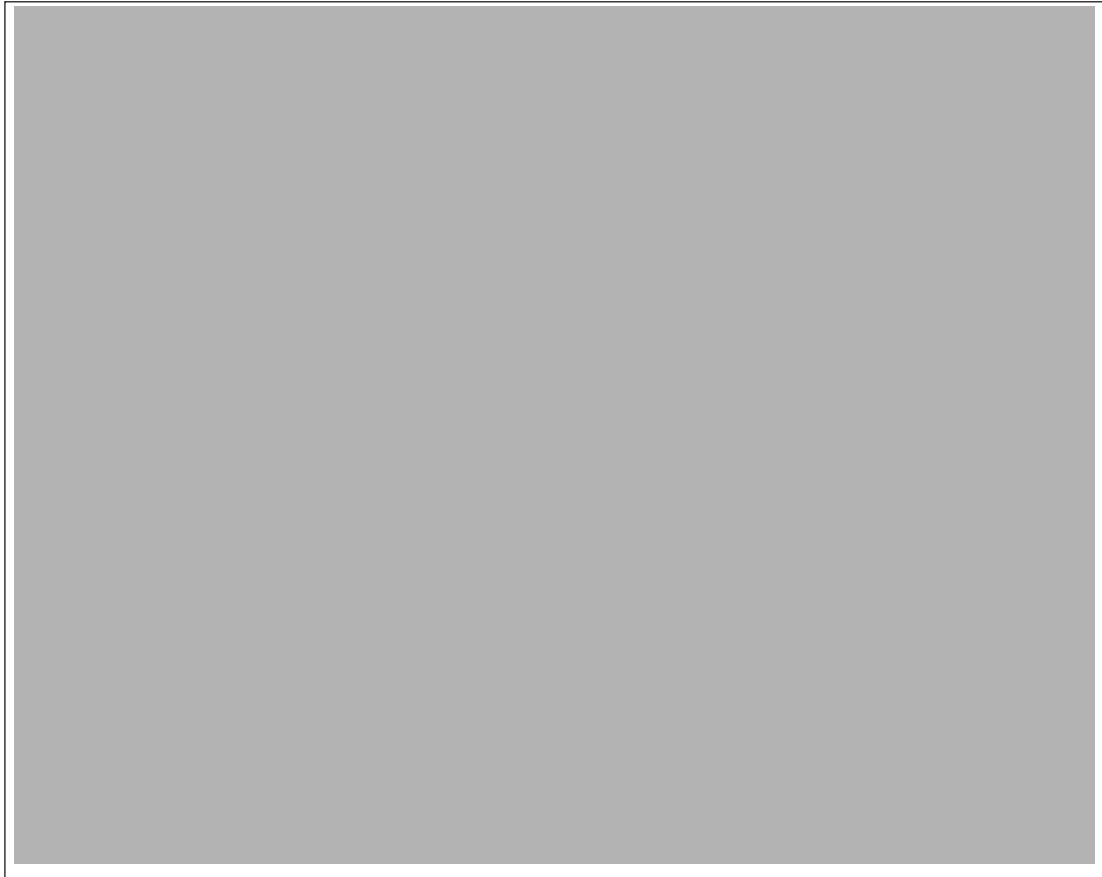


- (d) Mooli nakai ka talahau pehe “tau uka atu e tau peleue ne tokoluga e FQ, ka e mama mai he tau peleue ne tokololao e FQ”.

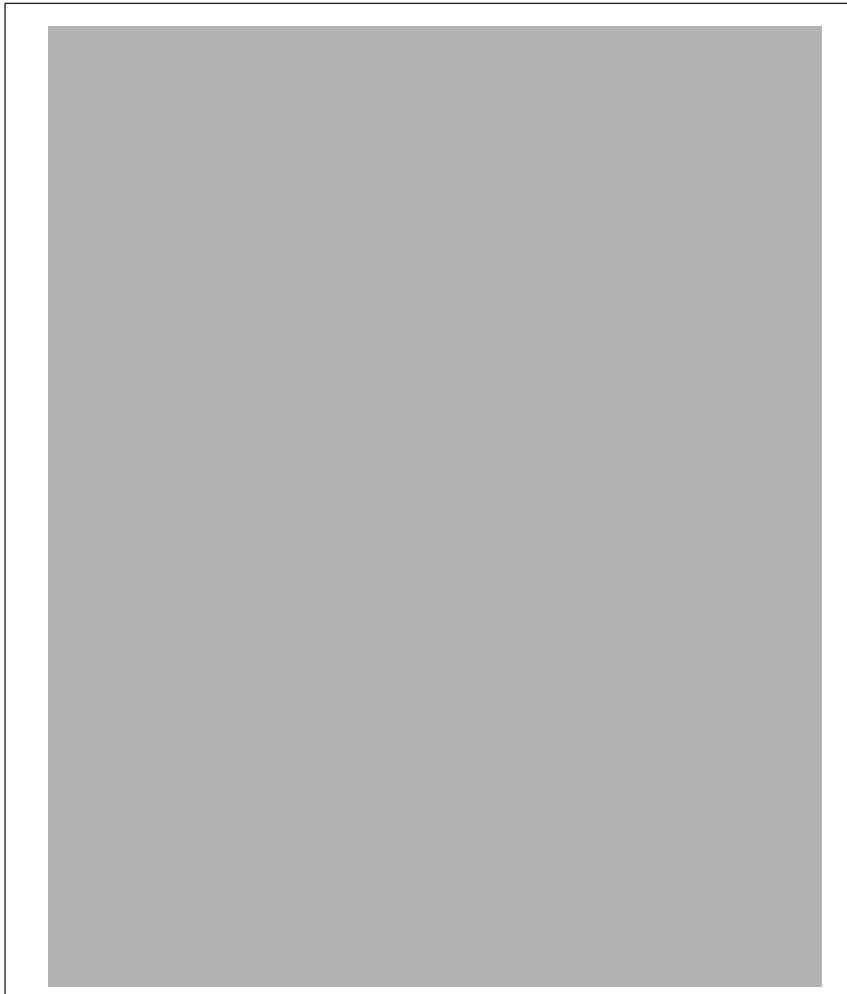
Fakaaoga e tau numela mai he tau laupepa totogi (tags) ne tautau he ua e peleue ke fakamaama aki haau a tali.

A jacket keeps you warmer if it has a higher fill quality (FQ).

Here are the FQs, weights, and prices of three jackets.



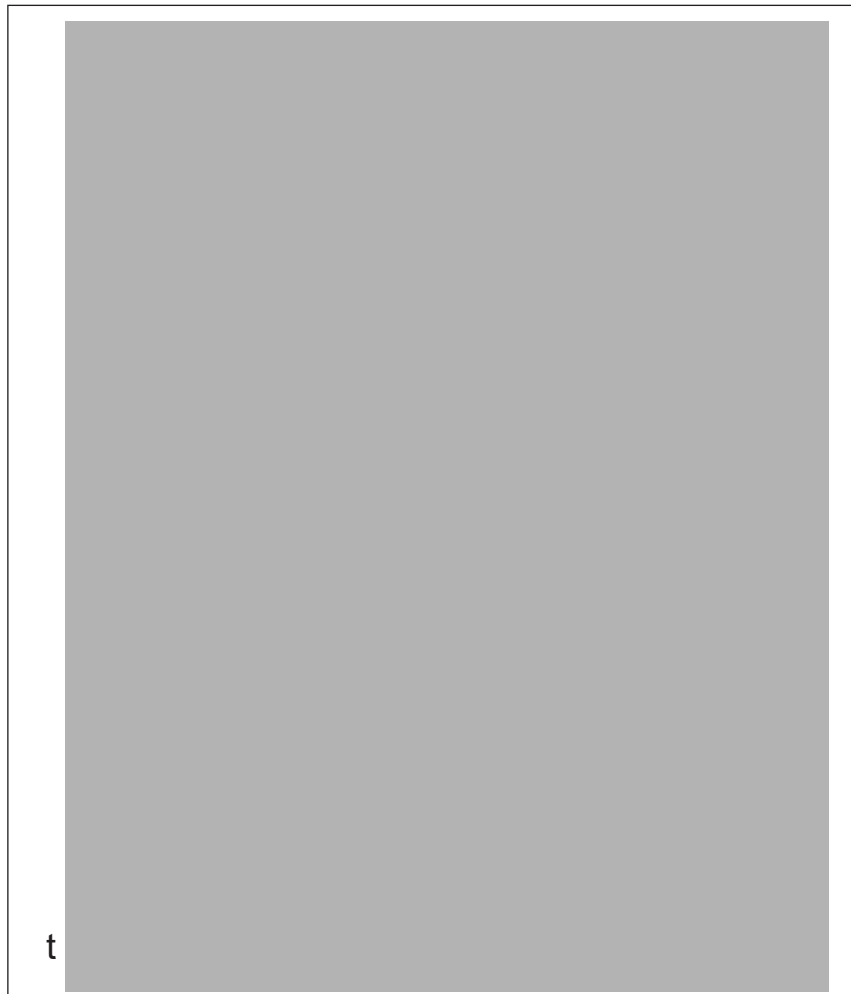
- (d) Is it true to say “Jackets with high FQ cost more, but weigh less, than low-FQ jackets?”
Use numbers from any two jacket tags to explain your answer.



Ko e magaaho ne tivi ai e taha peleue, ko e fuafua he vela i loto he peleue ko e 13.4°C .
Ko e fuafua he vela i fafo ko e -6.2°C .

(e) Ko e heigoa e kehe he 13.4°C mo e -6.2°C ?

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

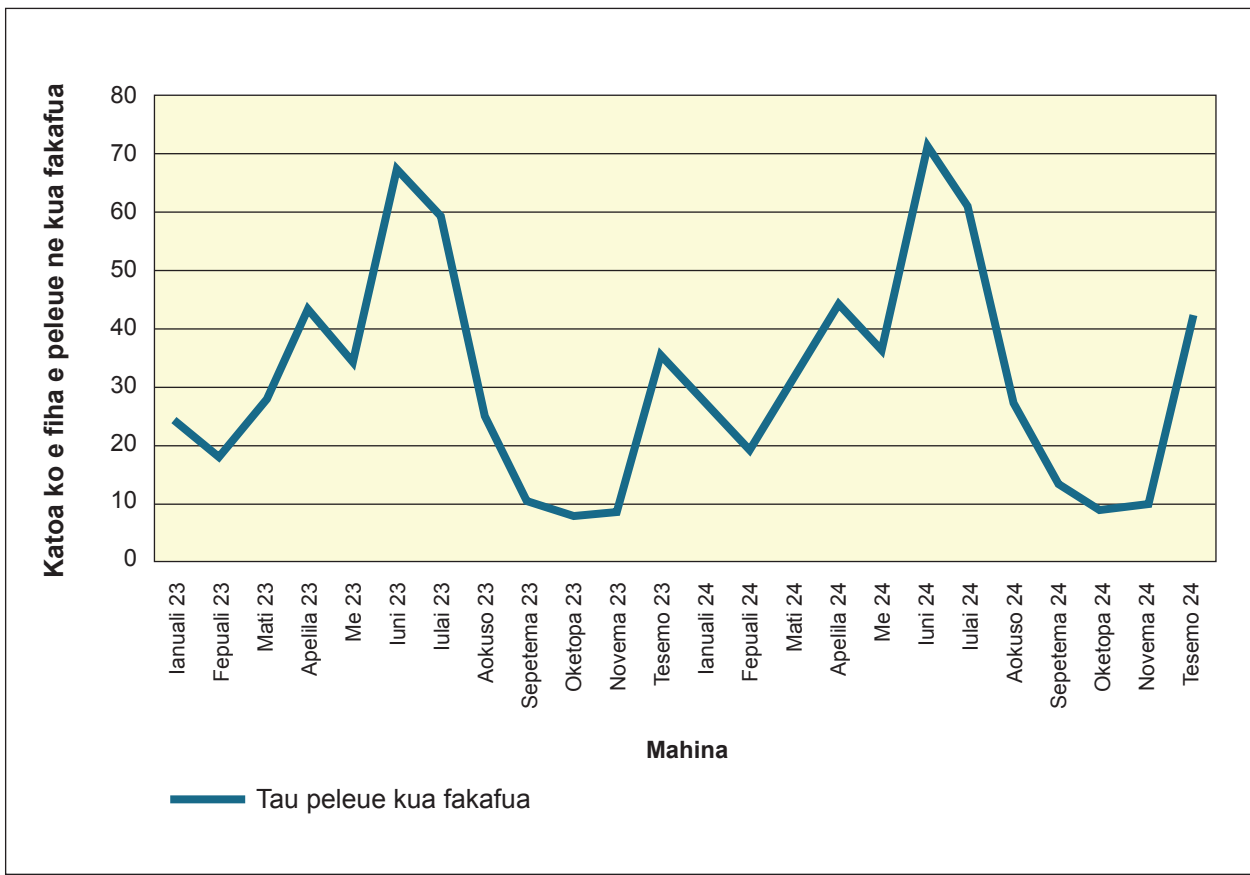


While testing a jacket, the inside temperature of the jacket was measured at 13.4°C . The outside temperature was measured at -6.2°C .

- (e) What is the difference between 13.4°C and -6.2°C ?

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

Ko e fakatino (graph) na i lalo ne fakakite ai ko e fiha e peleue ne fakafua he taha fale koloa he tau tau 2023 mo e 2024.

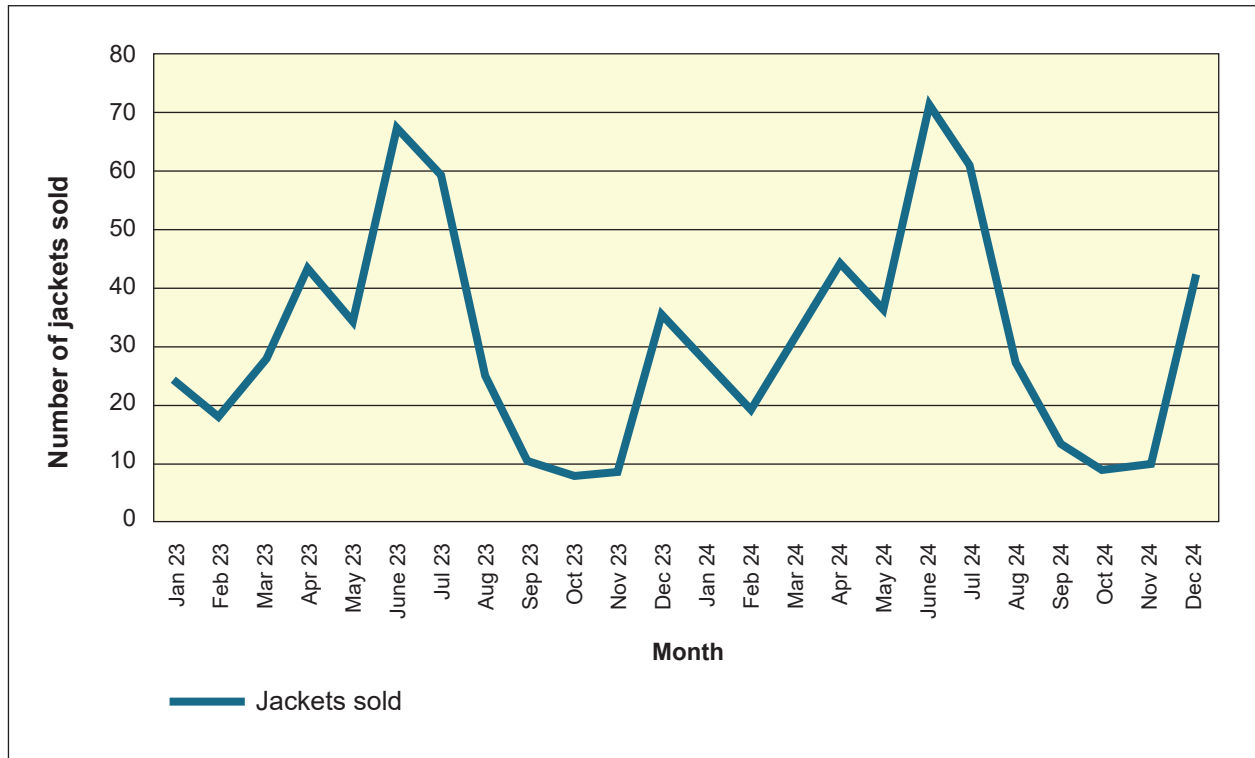


Mailoga: Ko Iuni, Iulai, mo Aokuso ko e tau mahina ne mua e mokomoko. Ko Tesemo, Ianuali, mo Fepuali ko e tau mahina ne mua e vela.

“Loga atu e tau peleue ne fakafua he vaha makalili he fakatai aki e vaha vela.”

- (f) Talia nakai a koe? Fakaaoga e tau talahauaga mai he fakatino (graph) ke fakamaama aki e haau a tali.

The graph below shows how many jackets are sold at a shop during 2023 and 2024.



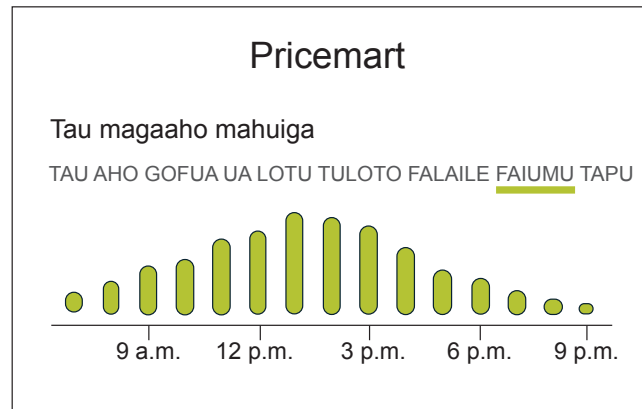
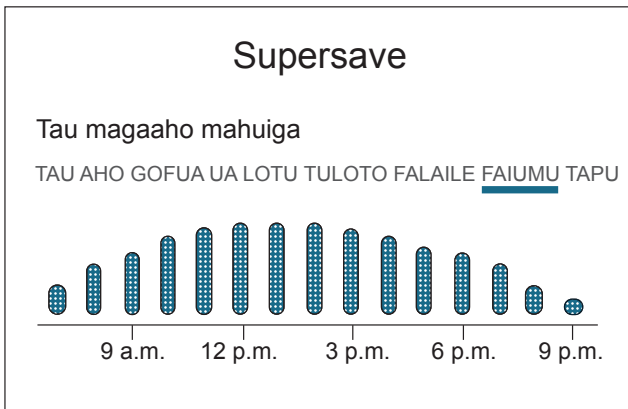
Note: June, July, and August are the coldest months. December, January, and February are the hottest months.

“More jackets are sold when the weather is cold than when it is hot.”

(f) Do you agree? Use information from the graph to explain your answer.

HUHU TOLU: Fakatau he fale koloa (Supermarket shopping)

Manako a koe ke fakatau koloa he aho Faiumu ha magaaho ni he mole e matahola 12 p.m. Fiafia a koe ke he fale koloa ne muhu tagata.



- (a) Ko e fale koloa fe haau kua lata ke Tiki, ko Supersave po ko Pricemart, mo e kua lata i a koe ke finatu ki ai he matahola fe?

Fakaaoga e tau vala tala ne moua mai he tau fakatino graph ke fakamaama aki haau a tali.

Ko e fakatau he tau fua futi ko e \$3.29 he taha e kilo.

- (b) Fiha e fakatau he pega futi 760 kuleme (grams) e mamafa? Fakaoti e tali haau ke he sene ne tata.

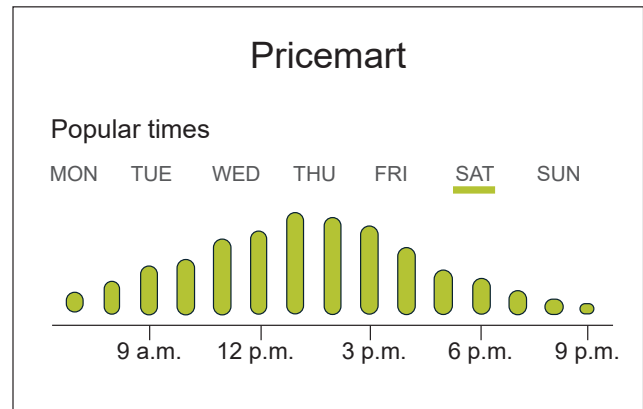
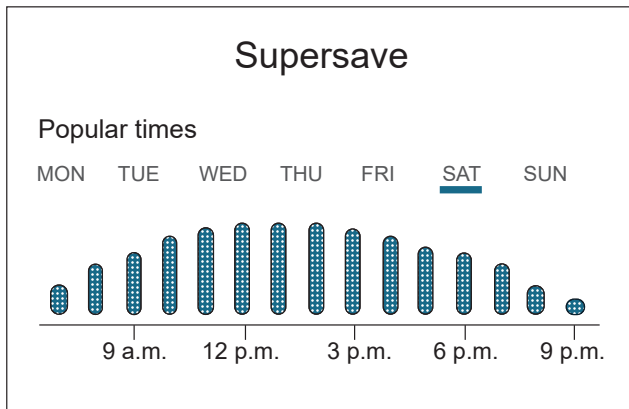


\$



QUESTION THREE: Supermarket shopping

You want to shop on a Saturday any time after 12 p.m. You like a supermarket with lots of people in it.



- (a) Which supermarket should you choose, Supersave or Pricemart, and what time should you go?

Use information from the graphs to explain your answer.

The price of bananas is \$3.29 per kilogram.

- (b) How much will it cost for a bunch of bananas that weighs 760 grams? Round your answer to the nearest cent.

\$



Ko e laini ne **lima** e tulole fale koloa (supermarket) ko e 192 e senetemita (centimetres) he loa.



Ko e laini ne **tolu** e tulole fale koloa (supermarket) ko e 144 e senetemita (centimetres) he loa.



Mailoga ko e hao fefe e tulole ki loto he patu i mua.

- (c) Kaeke ke lafi ki ai taha foki e tulole ke he ha laini, kua fakalahi loa e laini ke fiha? Tohi haau a tali mo e fakakite ke he tau senetemita (centimetres).

 cm

Ko e poloka isiisi 1- \$13.79 e fakatau he poloka isiisi taha e kilo (kg), \$8.19 e fakatau he isiisi 500 kuleme (grams) mo e \$6.19 e fakatau he poloka isiisi 250 kuleme (grams) taha ia.



- (d) Tau mukamuka mai nakai e 100 e kuleme mai he poloka isiisi 500 e kuleme ka fakatatai ke he tau poloka isiisi ne tolu? Fakaaoga e tau mamafa mo e tau totogi ke fakamaama haau a tali.

A line of **five** supermarket trolleys is 192 centimetres long.



A line of **three** supermarket trolleys is 144 centimetres long.



Notice how each trolley fits inside the one in front.

- (c) When one extra trolley is added to either line, how much does the total length of the line increase by? Write your answer in centimetres.

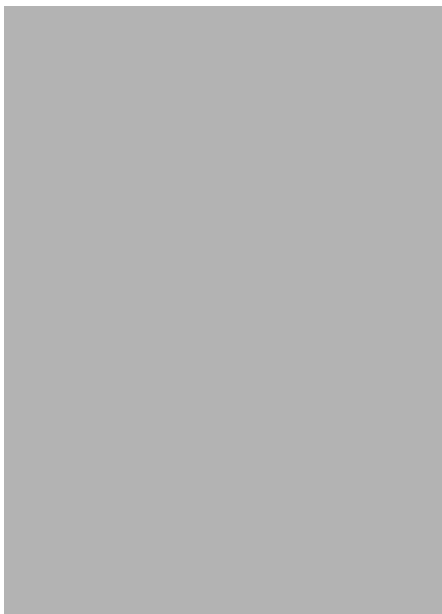
cm

A 1-kilogram block of cheese costs \$13.79, a 500-gram block of the same cheese costs \$8.19, and a 250-gram block of the same cheese costs \$6.19.



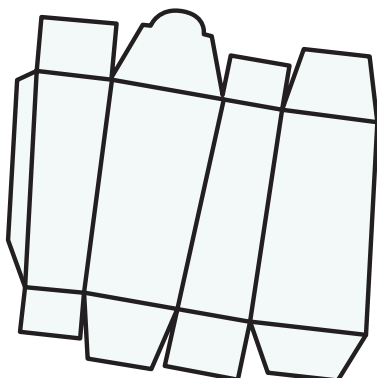
- (d) Is the 500-gram block of cheese the cheapest per 100 grams out of the three blocks of cheese? Use the weights and prices to explain your answer.

Ko e fakatino i lalo ne fakakite e afi Cadbury *Favourites*.

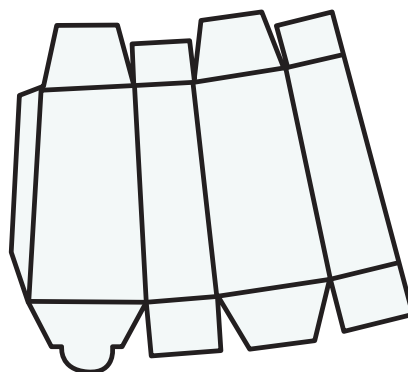


(e) Tiki (✓) e nete (petene lapalapa) ka pelupelu ke talaga aki e afi *Favourites*.

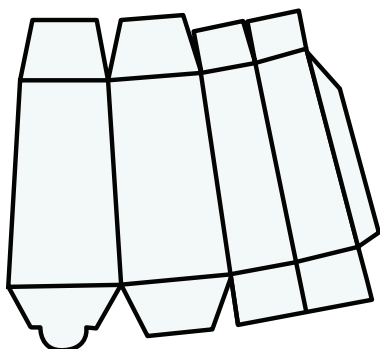
(i) ☐



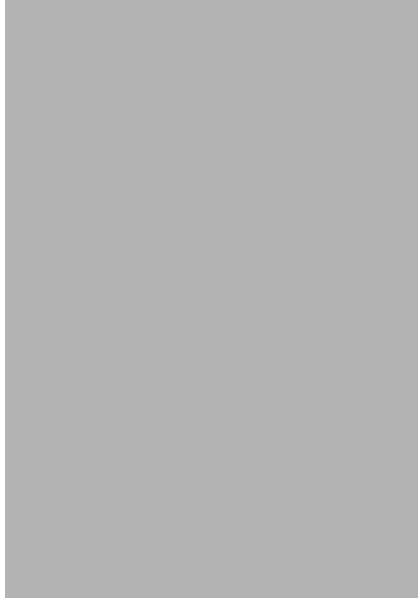
(ii) ☐



(iii) ☐

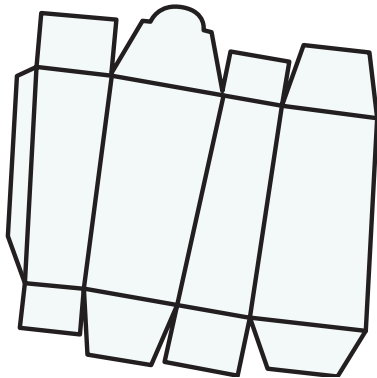


The image below shows a Cadbury *Favourites* packet.

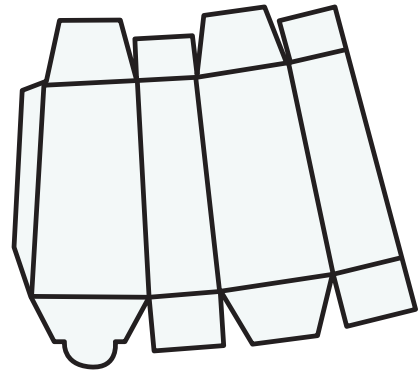


(e) Tick (✓) the net (flat pattern) that would fold to make the *Favourites* packet.

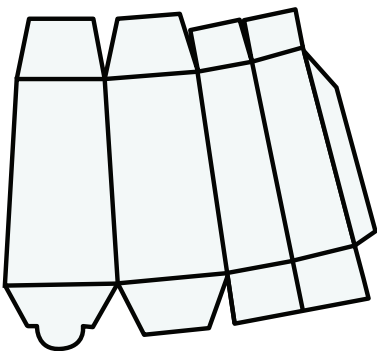
(i) ☐



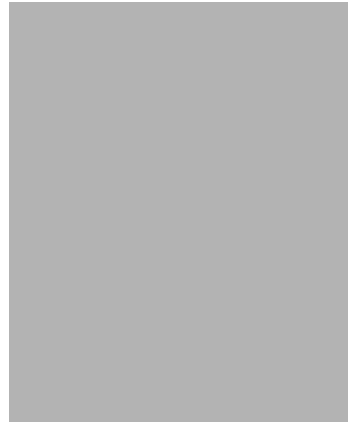
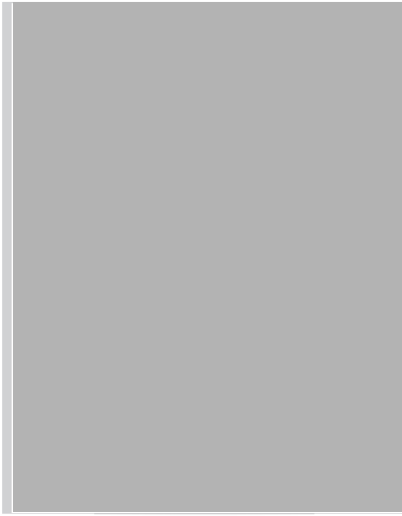
(ii) ☐



(iii) ☐



Ko e apa na i lalo ne ha ki ai 900 e kuleme (grams) e huhu fagai tama.



Taha e aaku huhu fagai tama.

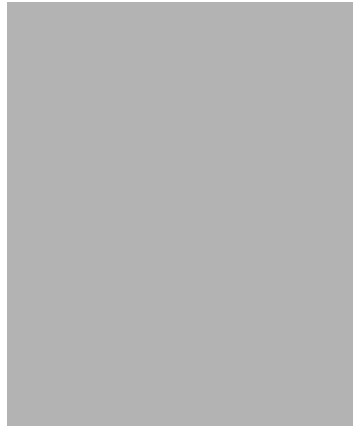
Maeke ia koe ke moua mai taha e fagai ma e tama mai he ua e aaku he huhu ne fio aki e vai.

Ko e 14.4 e kuleme (grams) mamafa he katoa he ua e aaku huhu.

(f) Fiha e fagai ne maeke ke moua mai he apa 900 e kuleme?

tau fagai

The container shown below holds 900 grams of baby formula.



One scoop of baby formula.

You can make one feed for a baby from two scoops of formula mixed with water.

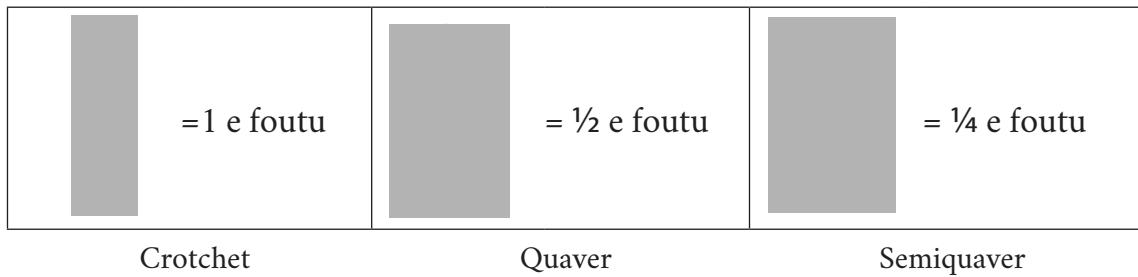
Two scoops of formula weigh 14.4 grams in total.

- (f) How many feeds can be made from the 900 gram container?

feeds

HUHU FA: Miusiki (Music)

Ko e foutu ne ha ki ai he tau leo fakatagiti ne moua mai he tau leo fakatagi (notes) ne kehekehe e tau loloa.



- (a) Tiki (✓) e tau leo fakatagi (notes) kaeke ke lalafi fakalataha ti moua e **katoatoa** ke he fa e foutu (beats).

(i)



(ii)



(iii)

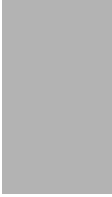


(iv)



QUESTION FOUR: Music

The beat in music is made up of notes of different lengths.

 = 1 beat	 = ½ beat	 = ¼ beat
Crotchet	Quaver	Semiquaver

(a) Tick (✓) the set of notes that adds together to make a **total** of four beats.

(i)

☐

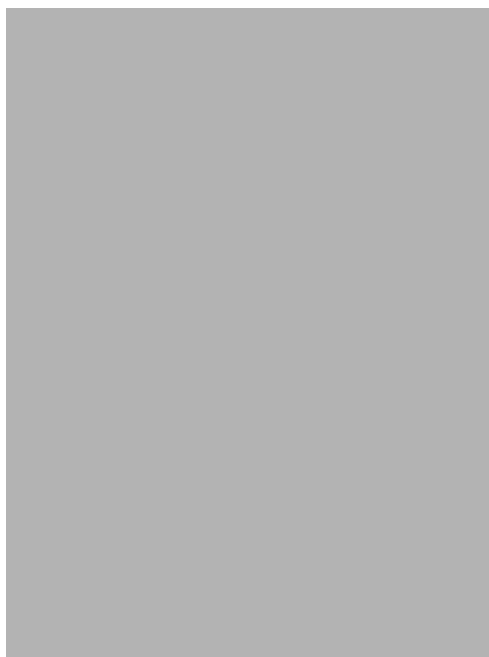
(ii)

☐

(iii)

☐

(iv)

☐


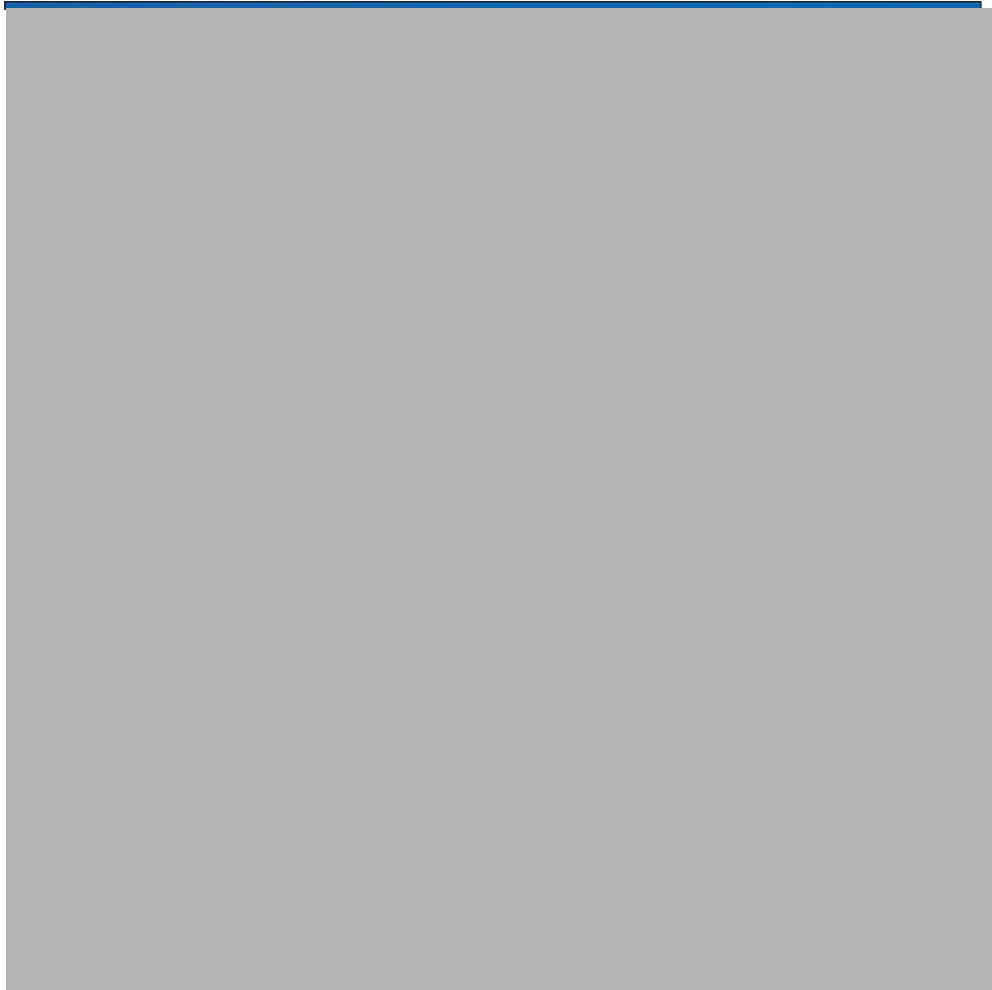
Ko e kili he alapamu talahaua a nei. Ne lahi e tatai tuga e onoono ke he fakaata (mirror symmetry) he lapakofe nei.



(b) Onoono fakamitaki ke he kili. Mai he fakamauaga na i lalo, tiki (✓) UA e vala he fakatino **ne kitia ko e** tatai tuga e fakaata (mirror symmetry).

- | | |
|---------------|-----------------------|
| (i) Tau mata | ☐ |
| (ii) Tau akau | ☐ |
| (iii) Lagi | ☐ |
| (iv) Fale | ☐ |
| (v) Tau ihu | ☐ |

This is a famous album cover. The cover has a lot of mirror symmetry.



(b) Look carefully at the cover. From the list below, tick (✓) the TWO parts of the picture **that have** mirror symmetry.

- | | |
|---------------|-----------------------|
| (i) Eyes | ☐ |
| (ii) Trees | ☐ |
| (iii) Sky | ☐ |
| (iv) Building | ☐ |
| (v) Noses | ☐ |

Fakatai atu ko e 884 e tula he tau tagata ne fanogonogo ke he tau leo fakatagi he taha e tau. Ha ki ai 52 e faahi tapu he taha e tau.

- (c) Fiha e tula **he taha e faahi tapu**, he fakatai, e tau tagata ke fanogonogo ke tau leo fakatagi?

tula he taha e faahi tapu

Fakakite he puha na i lalo e tau vahega lologo kehekehe he playlist. Ha ha ki ai 200 e lologo he katoa.

Vahega (Type)	Totou (Count)
Pop	40
Rock	70
Rap	39
Falu foki	51

- (d) Kaeke ke Tiki noa ni ha lologo, ko e heigoa e probability to Tiki e rock song? Tohi hifo haau a tali ke he pasene (percentage).

%

On average, people listen to 884 hours of music per year. There are 52 weeks in one year.

- (c) How many hours **per week**, on average, do people listen to music?

hours per week

The table below shows the different types of songs on a playlist. There are 200 songs altogether.

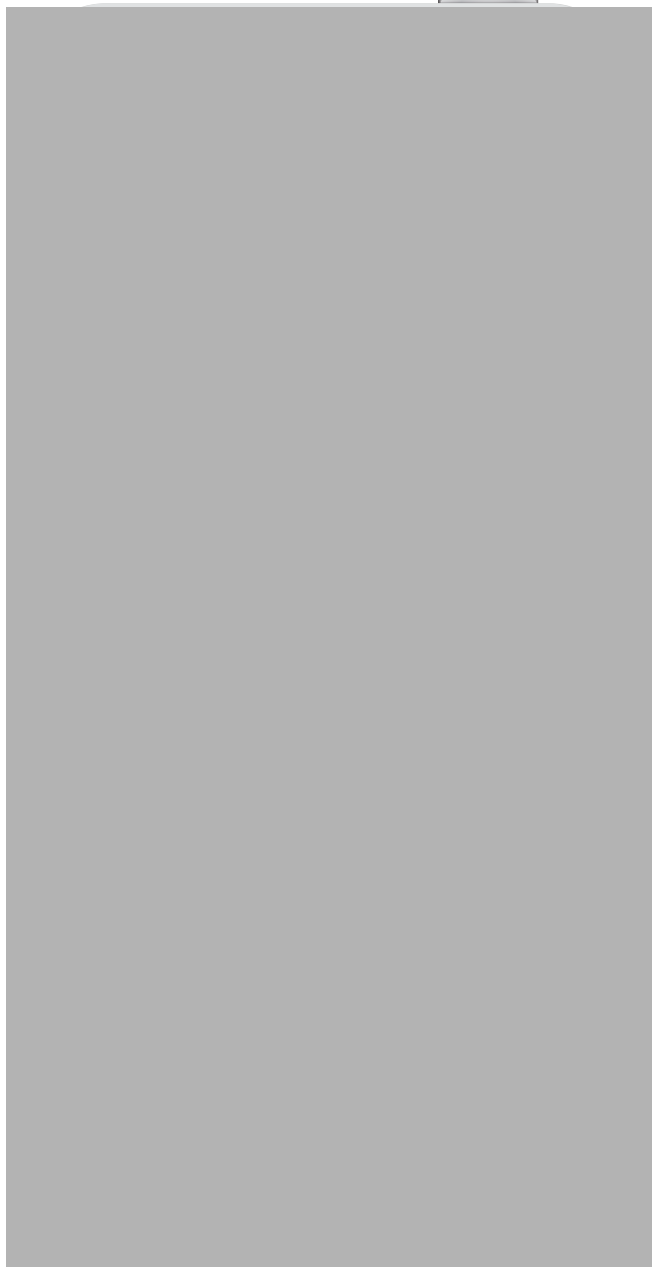
Type	Count
Pop	40
Rock	70
Rap	39
Other	51

- (d) If one song is picked at random, what is the probability that it will be a rock song?

Write your answer as a percentage.

%

Fakakite he puha na i lalo e totogi ka moua he tagata loloto kaeke kua taofi (stream) he taha e loloto haana. Ha ha ki ai fitu e puhala ke moua aki e tau loloto (streaming platforms).



“Foaki age e Tidal ke he tau tagata loloto e tau fakatautonu mahomo atu e mitaki.”

- (e) Talia nakai a koe? Fakaaoga e tau numela mai he puha (table) ke fakamaama aki haau a tali.

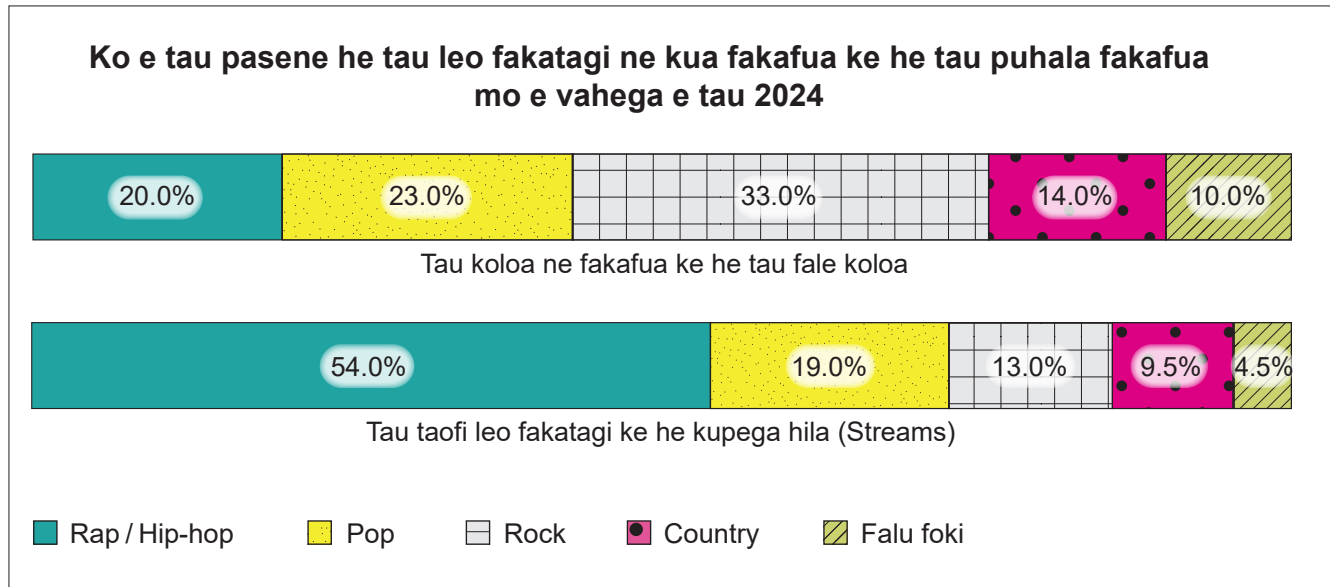
The table below shows how much an artist gets paid each time someone streams their song. There are seven different streaming platforms.



“Tidal gives artists the best deal.”

(e) Do you agree? Use numbers from the table to explain your answer.

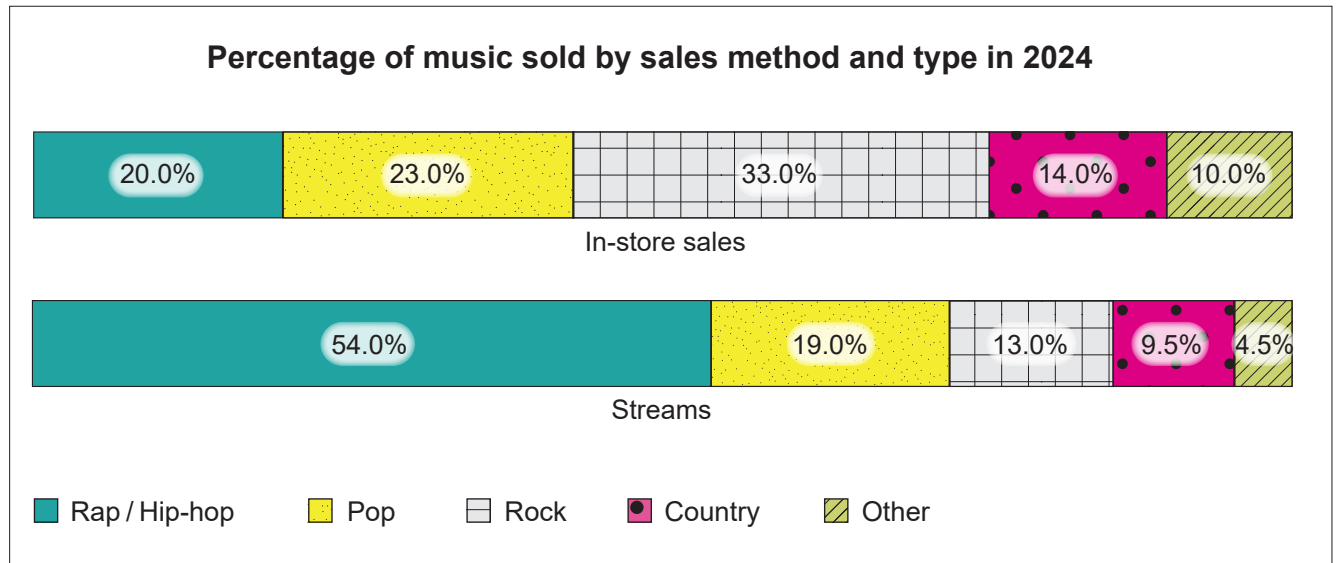
Fakatatai he fakatino (graph) nei e tau leo fakatagi ne fakafua ke he tau fale koloa mo e tau leo fakatagi ne fakafua ke he streaming platforms.



(f) Mai he fakamauaga na i lalo, tiki (✓) UA e talahauaga ne mooli.

- (i) Kavi ke $\frac{1}{3}$ e tau koloa fakafua he tau fale koloa ko e tau leo fakatagi rock. ☐
- (ii) Lahi atu $\frac{1}{5}$ he tau lologo ne stream ko e tau lologo pop. ☐
- (iii) Tokolalo hifo he 10% e tau fakafua ke he fale koloa ko e tau lologo country. ☐
- (iv) Molea $\frac{1}{2}$ he tau lologo ne taofi ko e tau lologo rap / hip-hop. ☐
- (v) $\frac{3}{4}$ e tau leo fakatagi oti ne fakatau mai he fale koloa. ☐

This graph compares the music sold in stores with the music sold by streaming platforms.



(f) From the list below, tick (✓) the TWO statements that are true.

(i) About $\frac{1}{3}$ of in-store sales are rock.

☐

(ii) More than $\frac{1}{5}$ of streams are pop.

☐

(iii) Less than 10% of in-store sales are country.

☐

(iv) Over $\frac{1}{2}$ of streams are rap / hip-hop.

☐

(v) $\frac{3}{4}$ of all music is bought in-store.

☐

HUHU LIMA: Ko e tau sila (seal)

Ne 1.68 e mita he loa e sila matua fifine.

Ne 0.48 e mita he loa e punua fanau
foou haana.

- (a) Fakalahi laga fiha **e loa mai** he
sila matua fifine mai he haana a
punua?

laga fiha e loa mai



Ko e sila matua fifine mo e haana a punua.

Kua lata he sila ke kai vahalato mai he 4% ke he 6% e tau mena kai ke fakatatai ke he ha
lautolu a mamafa ke tau tino.

148 e kilo mamafa he sila nei.



- (b) Ko e heigoa e **fakakaupaaga** he menakai kua lata e sila nei ke kai he taha e aho?

kilo (kg)

QUESTION FIVE: Seals

A mother seal is 1.68 metres long.

Her newborn pup is 0.48 metres long.

- (a) How many times **longer** is the mother seal than her pup?

times longer



A mother seal and her pup.

Seals must eat between 4% and 6% of their body weight in food each day.

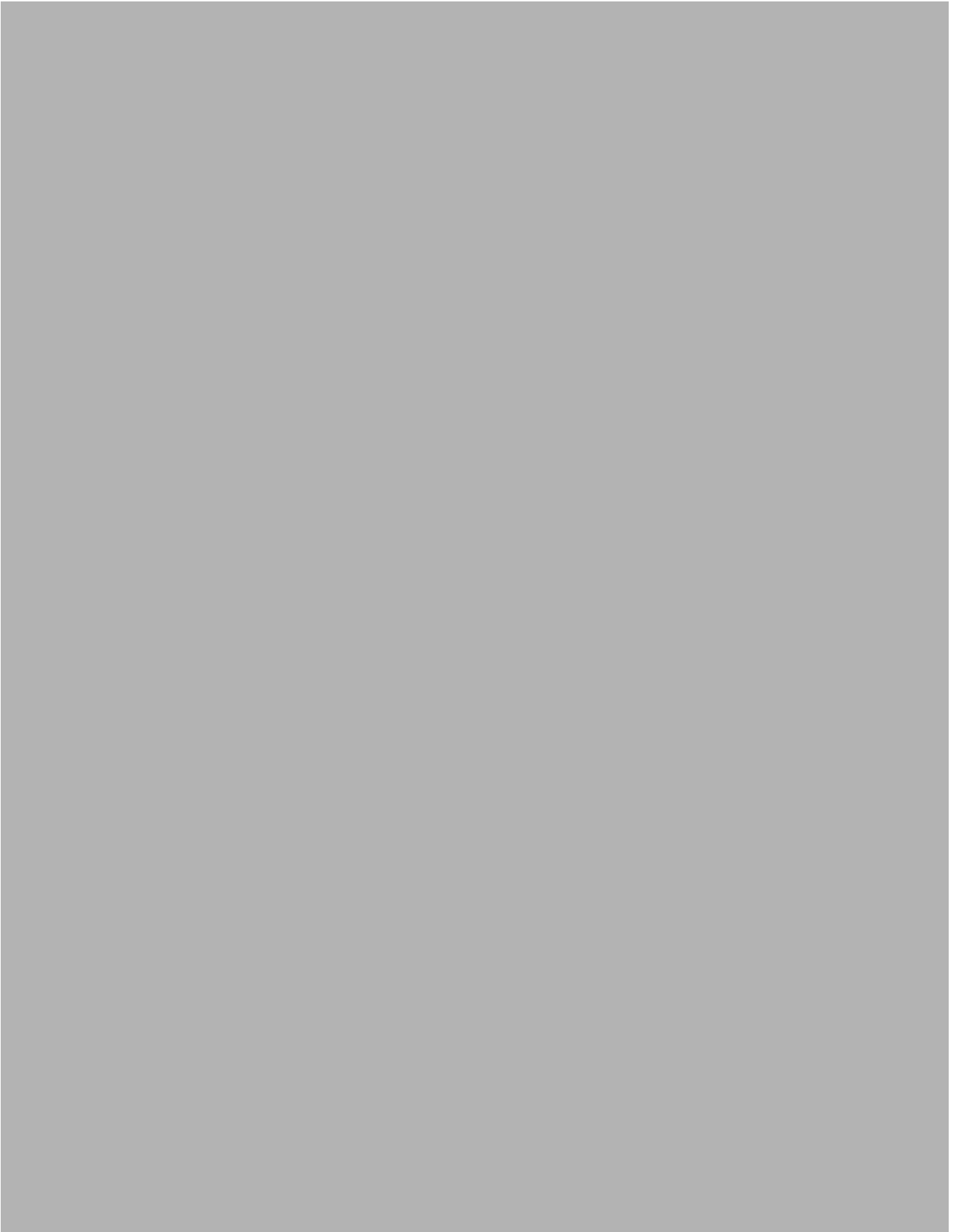
This seal weighs 148 kilograms.



- (b) What is the **minimum** amount of food this seal must eat each day?

kg

Ko e tau matakavi ne moua ai e tau sila kua fakakite ke he tau matatohi he mepe na i lalo.



(c) Tiki (✓) ko e moua ke he mena fe e tau sila he 50.3° S mo e 167° E.

A ☐

B ☐

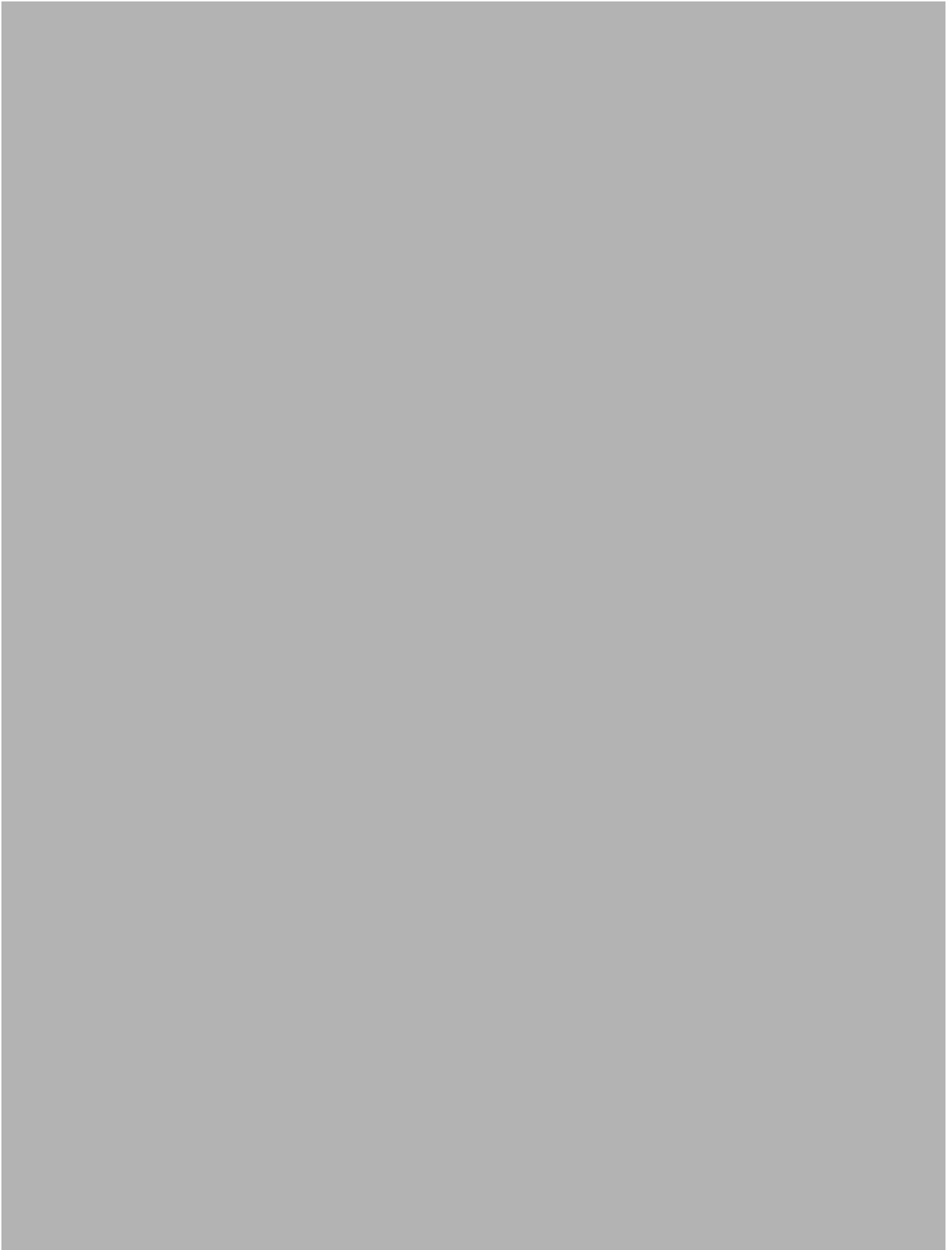
C ☐

D ☐

E ☐

F ☐

Places where seals can be found are shown as letters on the map below.



(c) Tick (✓) where seals can be found at 50.3° S and 167° E.

A ☐

B ☐

C ☐

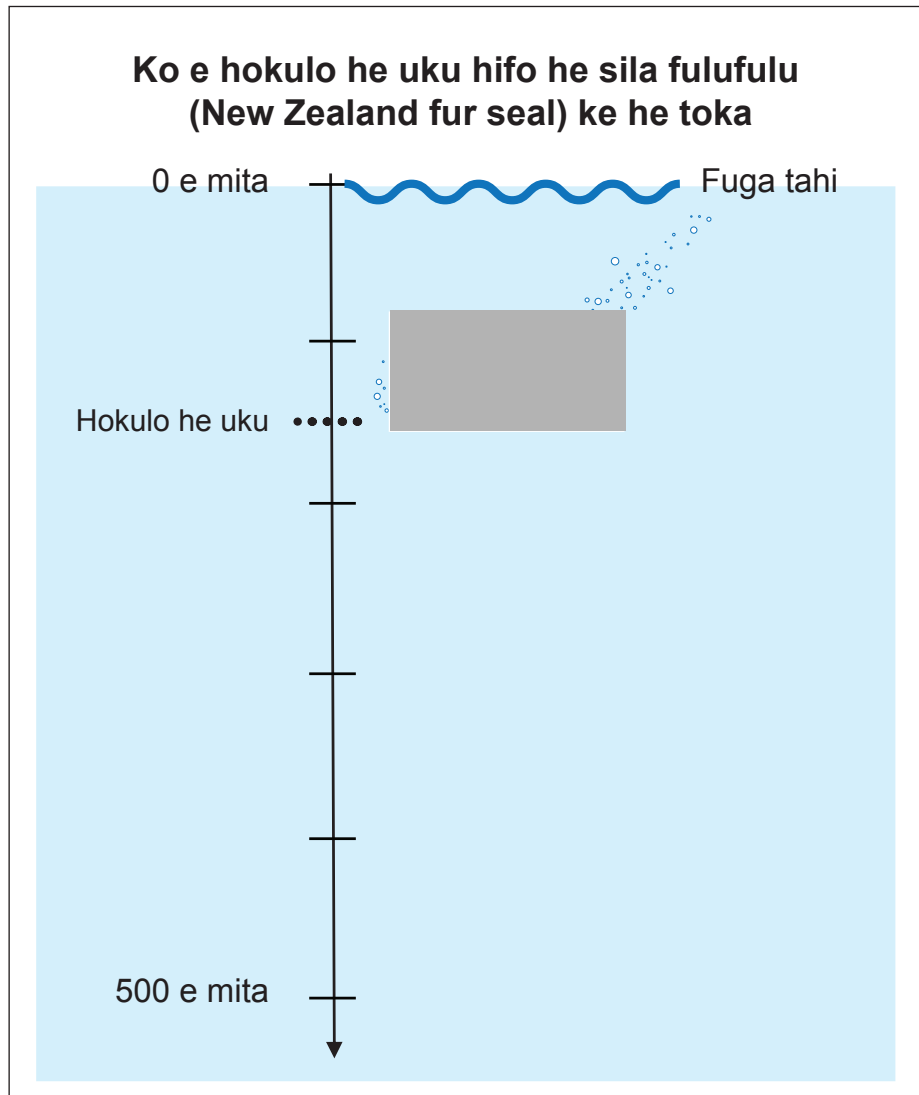
D ☐

E ☐

F ☐

Makaka lahi e tau sila ke ukuuku.

Fakakite he laini numela nei e hokulo ke he toka ne uku hifo e taha sila fulufulu (fur seal) ki ai.

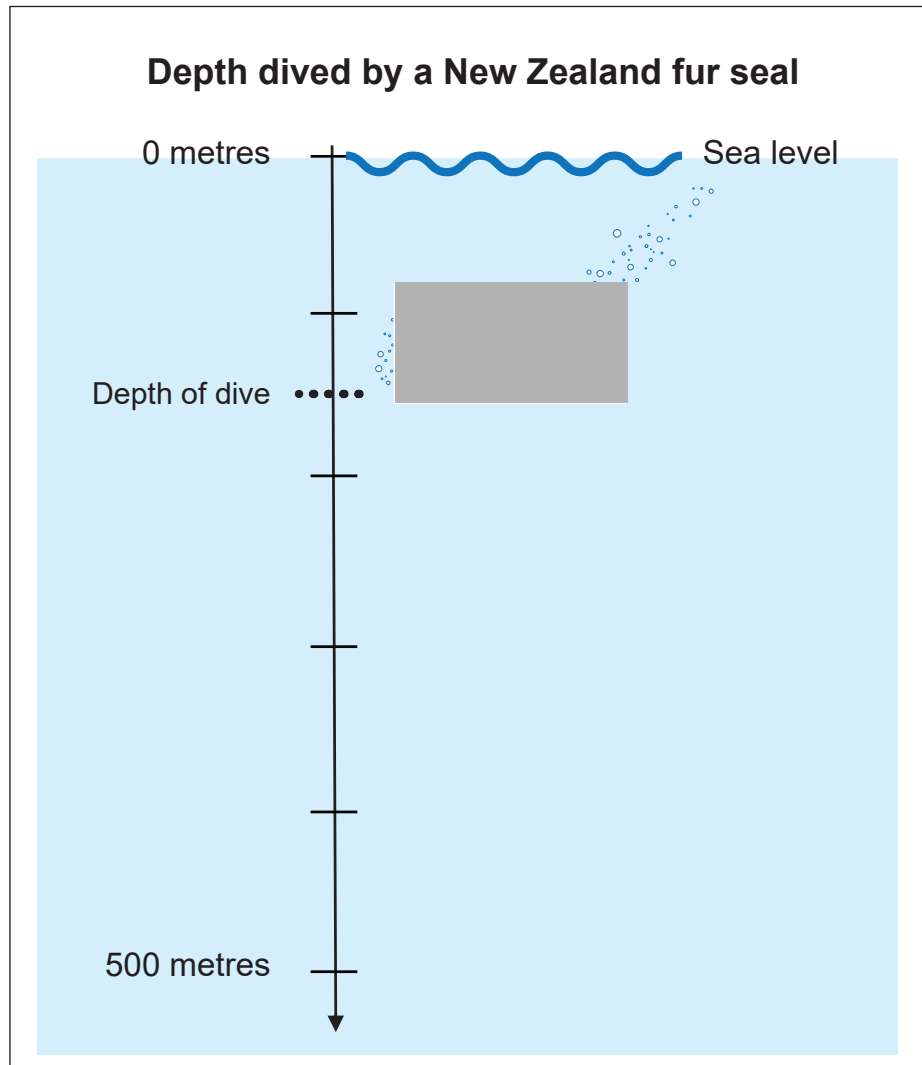


(d) Fakataitai ko e hokulo fefe he uku hifo e sila fulufulu (fur seal).

tau mita (metres) ki lalo hifo he puke tahi

Seals are excellent divers.

This number line shows the depth dived by a New Zealand fur seal.

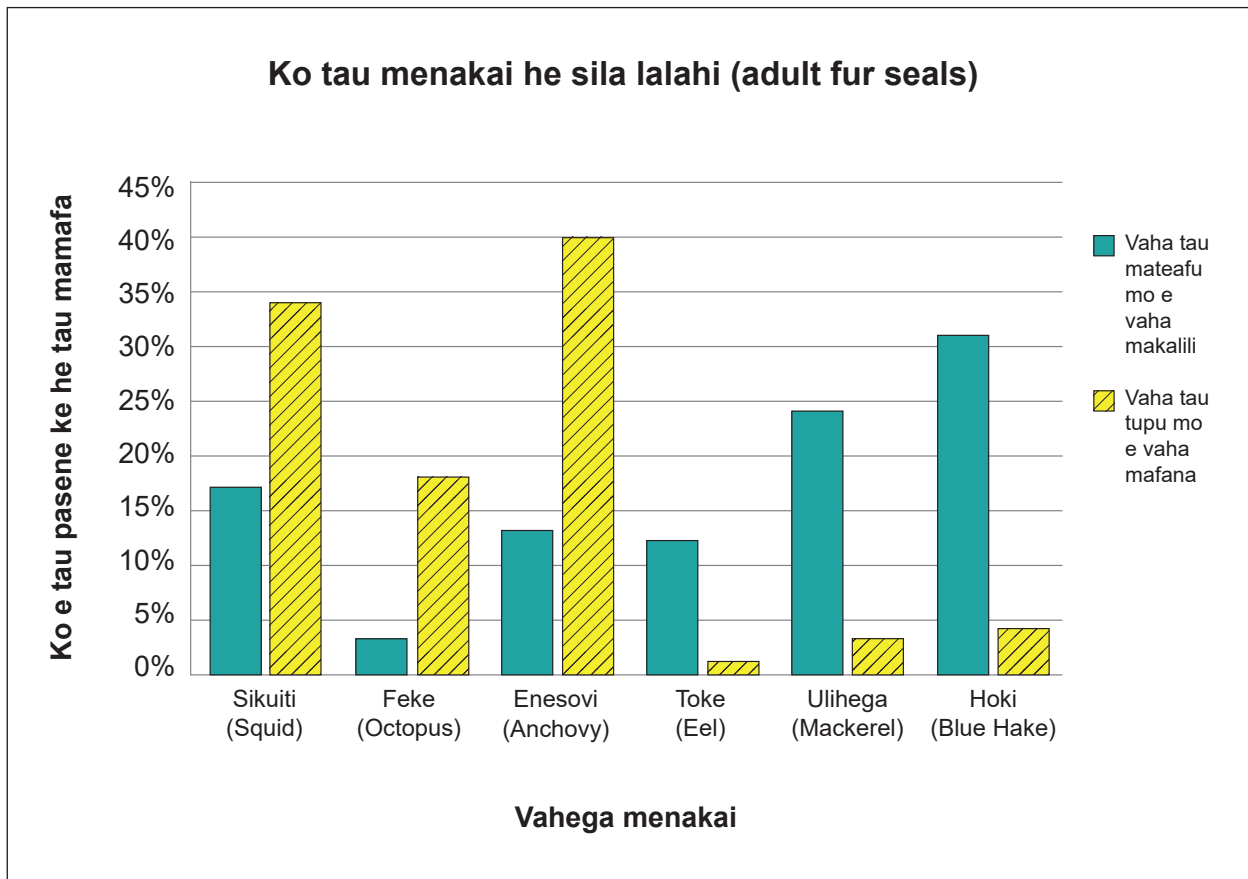


- (d) Estimate the depth the fur seal dived to.

metres below sea level

Fakakite he fakatino graph nei tau faga mena kai ne kai he sila he tau magaaho kehekehe he tau.

Fakakite he tau lapa ne kehekehe e tau lanu e tau hafa kehekehe he tau.

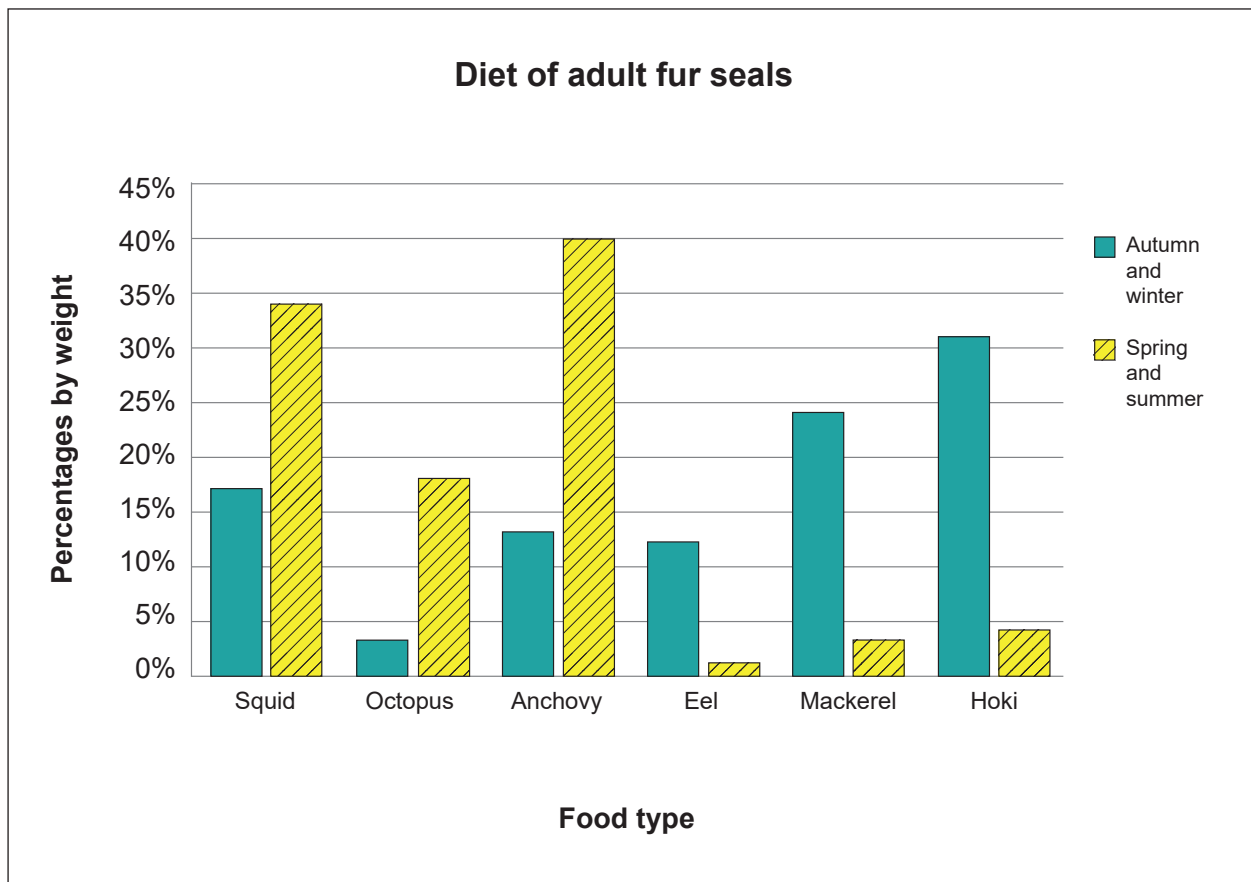


“Ko e magahala tau mateafu mo e mokomoko, fa laulahi ni e tau sila ke kai squid, mackerel, mo e ika hoki.”

- (e) Talia nakai a koe? Fakaaoga e tau pasene (percentage) mai he fakatino graph ke fakamaama haau a tali.

This graph shows what kind of food seals eat at different times of the year.

The different coloured bars show different halves of the year.



“In autumn and winter, seals eat mostly squid, mackerel, and hoki.”

(e) Do you agree? Use percentages from the graph to explain your answer.

Ko e tau fakamailoga fakailaila he mepe ne fakakite e tau nonofoaga he tau sila he taha matakavi ne fakahigoa ko Ohau Point.

Ko Ohau Point kua fakakite aki e fetu ago.

Ko e fakamailoga ila tea ne fakakite e matakavi ne kakau atu e sila ki ai.



- (f) Fakaaoga e fuafuaaga (scale) he mepe ke fakataitai aki e mamao mai Ohau Point ke he fakamailoga ila tea.

km

The dots on the map show where seals have been located around a place called Ohau Point.

Ohau Point is shown by the yellow star.

The white dot shows where one seal swam to.



- (f) Use the scale on the map to estimate the distance from Ohau Point to the white dot.

km

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

NUMELA
HUUH

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

[illegible]

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

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: Ko e fifine he tau tokotoko (Woman on crutches), <https://stock.adobe.com/nz/images/woman-practicing-walking-on-crutches/249827144>

Laupepa 2: Figure outline, <https://static1.squarespace.com/static/54d96b48e4b04bc268f6fde7/t/552b3b68e4b043705b2a7386/1428896616631/Sizing+and+Using+Forearm+or+Elbow+Crutches.pdf>

Laupepa 2: Crutch, <https://www.mobilitycentre.co.nz/shop/crutches-walking-sticks/crutches/coopers-elbow-crutches-adult-single-adjustable-pair/>

Laupepa 2: Protractor, <https://stock.adobe.com/images/protractor-protractor-grid-for-measuring-degrees-tilt-angle-meter-measuring-tool-ai10/196681142>

Laupepa 4: Fonua pele feua sipote. (Sports park), <https://www.landscapearchitecture.nz/landscape-architecture-aotearoa/2018/3/22/new-zealands-first-sustainable-sports-park-setting-a-new-direction>

Laupepa 6: Puha katene (Garden box), <https://stock.adobe.com> (created using generative AI)

Laupepa 6: Masini unu, <https://extremeappliances.co.nz/samsung-10kg-top-load-washer-wa10a8376gw/>

Laupepa 6: Apa veve (Bin), <https://rotaform.co.nz/products/wheelie-bin-80-litre>

Huhu Ua

Laupepa 8: Fatafata he tagata taane (Man's chest), <https://taperedmenswear.com/blogs/tapered-blog/how-to-measure-chest-size>

Laupepa 10: Peleue (jacket), <https://dwhights.co.nz/products/womens-rab-microlight-alpine-jacket?variant=48720739533095> (created using generative AI)

Laupepa 10: Leipolo sela (Sale label), <https://stock.adobe.com/images/set-of-red-sale-banners-on-white-background-ribbons-and-stickers-paper-scrolls-vector-illustration/384987350>

Page 10: Koloa fuafua vela ke he tino (Thermometer), <https://stock.adobe.com/images/thermometer-graphics/80656743>

Laupepa 12: Tolu e peleue (Three jackets), <https://stock.adobe.com> (adapted using generative AI)

Page 12: Leipolo menatui (Clothing label), <https://stock.adobe.com/images/white-cardboard-clothing-price-tag-isolated/529658651>

Laupepa 14: Koloa fuafua vela ke he tino (Body temperature thermometer), <https://stock.adobe.com/images/meteorological-thermometer-glass-tube-with-mercury-and-graphic-scale-degree-vertical-indoor-or-outdoor-temperature-measuring-tool-isolated-on-white-background-vector-flat-illustration/550138686>

Huhu Tolu

Laupepa 18: Pega futi (Bunch of bananas), <https://stock.adobe.com/images/5-five-bananas/27448166>

Laupepa 20: Tulole falekolola (Supermarket trolley), <https://www.dreamstime.com/stock-illustration-shopping-carts-icon-line-sketch-doodle-style-metal-trolley-purchases-supermarket-white-background-symbol-sign-image81850982>

Laupepa 22: Afi *Favourites* (Favourites packet), <https://www.woolworths.co.nz/shop/productdetails?stockcode=631296&name=cadbury-chocolates-favourites>

Laupepa 24: Huhu fagai tama mukemuke (Baby Formula), <https://www.davidjonespharmacy.com.au/assets/full/847151.jpg>

Laupepa 24: Aaku (Scoop), <https://smartmedia.digital4danone.com/is/image/danonecs/baby-formula-scoop-1-3>

Huhu Fa

Laupepa 26: Tau leo fakatagi (Music notes), <https://stock.adobe.com/images/music-notes-icon-set-music-notes-symbol-vector-illustration/439874275>

Laupepa 28: Kili lapakofe (Album cover), <https://store.sonymusic.co.za/products/pink-floyd-the-division-bell-2016-version-2-lp>

Laupepa 32: Taofi lologo (Streaming), <https://latinwmg.com/que-es-musica-en-streaming/>

Laupepa 32: Telefoni hila (Cellphone), <https://stock.adobe.com/templates/smartphone-infographic-with-teal-ribbons/296420050>

Huhu Lima

Laupepa 36: Matua fifine sila mo e punua, <https://www.travelnaturephotography.com/prints/new-zealand-fur-seal-matua-fifine-pup>

Laupepa 36: Ko e sila he fuga patuo (seal on rock), <https://animalia.bio/new-zealand-fur-seal/1000>

Laupepa 38: Mepe Niu Silani (NZ map), https://as1.ftcdn.net/v2/jpg/02/67/07/84/1000_F_267078483_VKxnOzM0gpF4VVD892jNfhoEIRR2h2O.jpg

Laupepa 40: Ko e sila ukuuku (Diving seal), https://as1.ftcdn.net/v2/jpg/00/90/53/02/1000_F_90530260_7SzOXdDW4zElbEq7XhIdbMIBfxXmozYl.jpg

Laupepa 44: Mepe he tau sila ha Ohau (Ohau seal map), <https://www.doc.govt.nz/globalassets/documents/conservation/marine-and-coastal/marine-protected-areas/monitoring-factsheets/fur-seal-tracking-technology.pdf>

Acknowledgements

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

Question One

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 Page 7: Washing machine, <https://extremeappliances.co.nz/samsung-10kg-top-load-washer-wa10a8376gw/>
 Page 7: Bin, <https://rotaform.co.nz/products/wheelie-bin-80-litre>

Question Two

Page 9: Man's chest, <https://taperedmenswear.com/blogs/tapered-blog/how-to-measure-chest-size>
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Question Three

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 Page 25: Baby formula, <https://www.davidjonespharmacy.com.au/assets/full/847151.jpg>
 Page 25: Scoop, <https://smartmedia.digital4danone.com/is/image/danonecs/baby-formula-scoop-1-3>

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 Page 33: Cellphone, <https://stock.adobe.com/templates/smartphone-infographic-with-teal-ribbons/296420050>

Question Five

Page 37: Mother seal and pup, <https://www.travelnaturephotography.com/prints/new-zealand-fur-seal-mum-pup>
 Page 37: Seal on rock, <https://animalia.bio/new-zealand-fur-seal/1000>
 Page 39: NZ map, https://as1.ftcdn.net/v2/jpg/02/67/07/84/1000_F_267078483_VKxnOzM0gpF4VVD892jNfhoElRRX2h2O.jpg
 Page 41: Diving seal, https://as1.ftcdn.net/v2/jpg/00/90/53/02/1000_F_90530260_7SzOXdDW4zElbEq7XhIDbMIBfxXmozYl.jpg
 Page 45: Ohau seals map, <https://www.doc.govt.nz/globalassets/documents/conservation/marine-and-coastal/marine-protected-areas/monitoring-factsheets/fur-seals-tracking-technology.pdf>

English translation of the wording on the front cover

Numeracy 2025

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

Credits: Ten

WEEK TWO | 26–30 MAY 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.