

91946MR



Mana Tohu Mātauranga o Aotearoa  
New Zealand Qualifications Authority

## Te Pāngarau me te Tauanga, Kaupae 1, 2025

91946M Te whakamāori me te whakahāngai i ngā pārongo o  
te pāngarau me te tauanga i tētahi horopaki

Ngā whiwhinga: E rima

### TE PUKAPUKA RAUEMI

Whakamahia tēnei pukapuka hei whakaoti i ngā tūmahi i Te Pāngarau me te Tauanga 91946M.

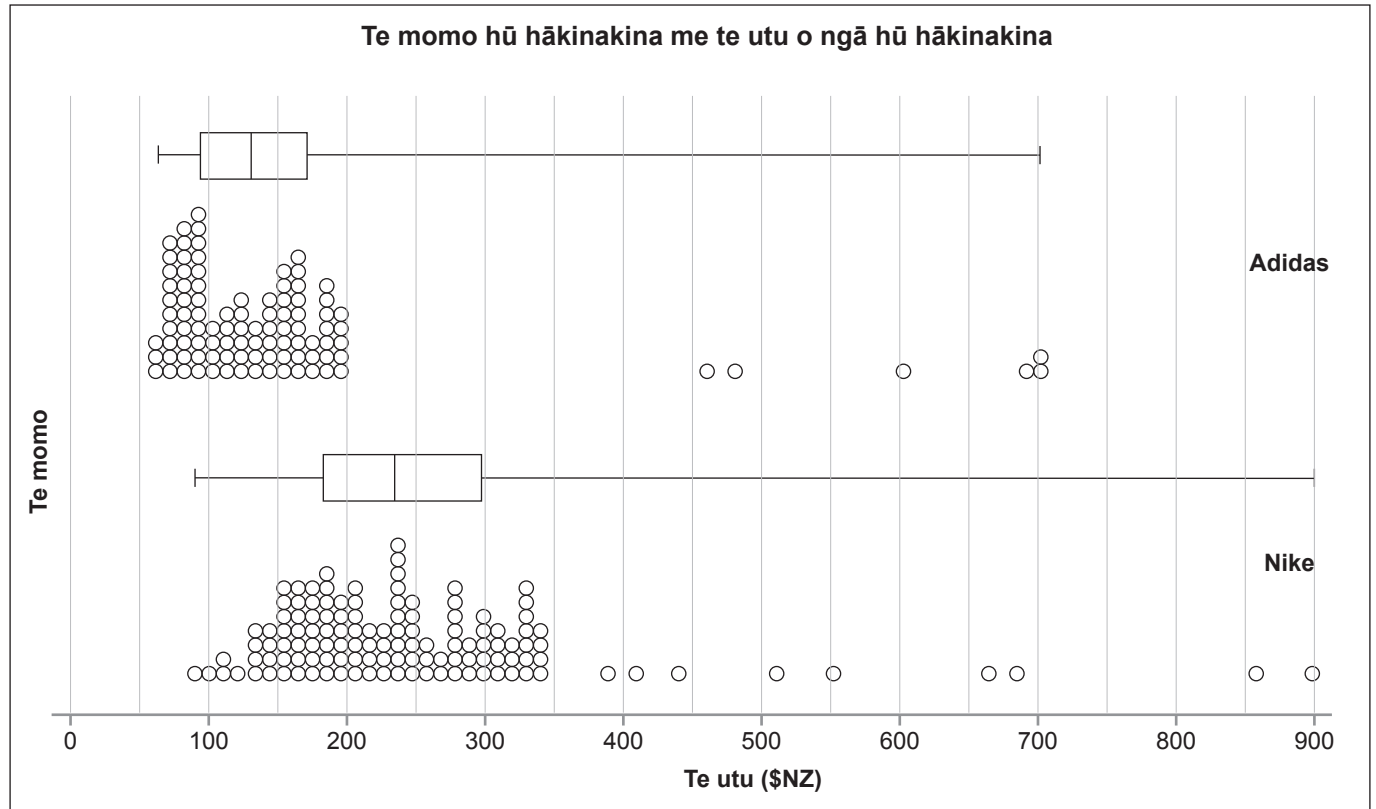
Tirohia kia kitea ai e tika ana te raupapatanga o ngā whārangi 2–13 i tēnei pukapuka, ka mutu, kāore tētahi o aua whārangi i te takoto kau.

**E ĀHEI ANA TŌ PUPURI KI TĒNEI PUKAPUKA HEI TE MUTUNGA O TE WHAKAMĀTAUTAU.**

## NGĀ HŪ HĀKINAKINA

### TE RAUEMI 1A

E whakaatuhia ana i te kauwhata i raro nei ngā utu o tētahi tīpakonga matapōkere o ngā hū hākinakina o Adidas me ngā hū hākinakina o Nike kua kohia i tētahi paetukutuku nō Aotearoa e hoko hū ana. Kua tuhia ngā utu ki ngā tāra nō Aotearoa (\$NZ).



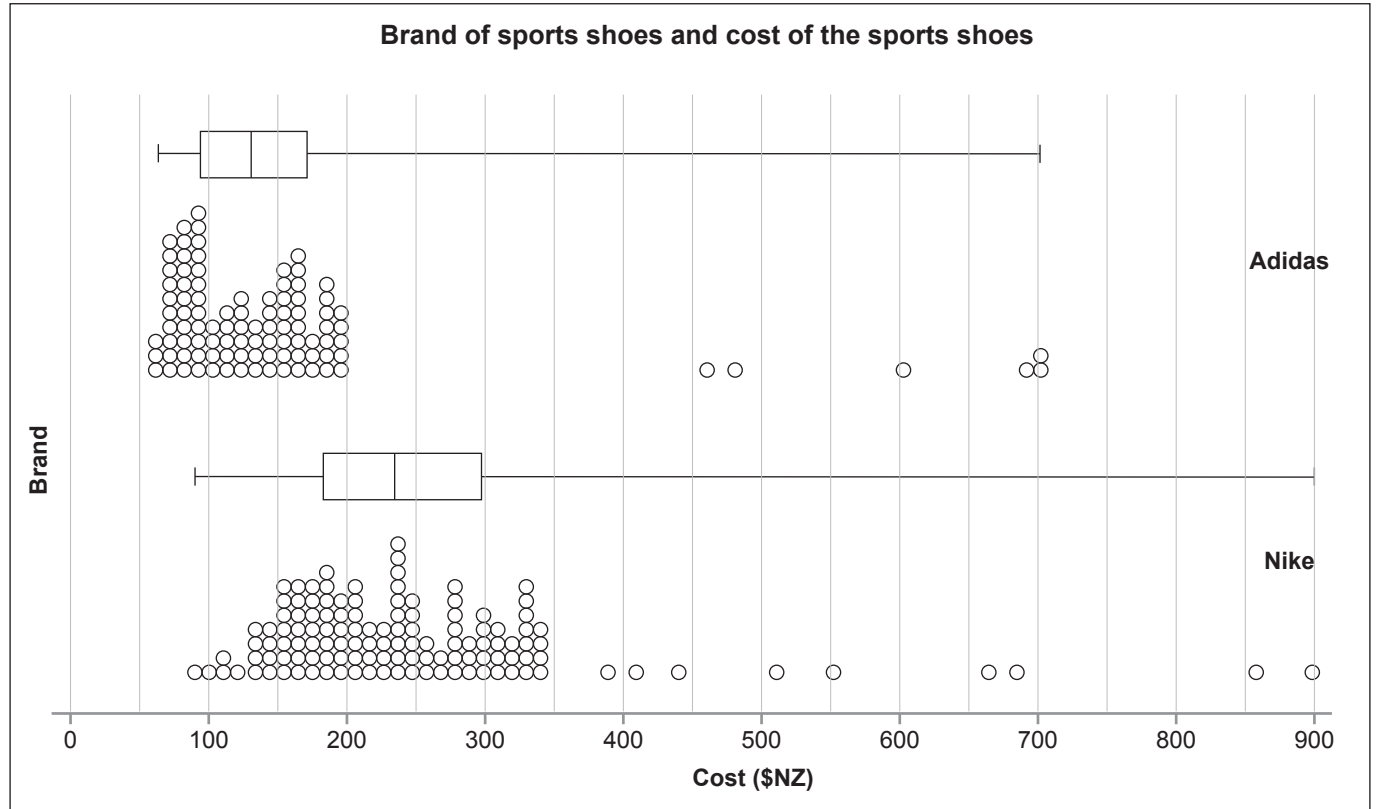
	Te mōkito	Te hauwhā o raro	Te tau waenga	Te toharite	Te hauwhā o runga	Te mōrahi	Te maha o ngā punarua hū
Adidas	\$63.00	\$94.00	\$131.00	\$158.39	\$171.00	\$702.00	99
Nike	\$90.00	\$183.00	\$234.00	\$255.90	\$298.00	\$900.00	126

He mea whakahāngai i: [www.asos.com/women/shoes/cat/?cid=4172](http://www.asos.com/women/shoes/cat/?cid=4172)

## SPORTS SHOES

### RESOURCE 1A

The graph below shows the prices of a random sample of Adidas and Nike sports shoes taken from a New Zealand website selling shoes. The prices are in New Zealand dollars (\$NZ).



	Minimum	Lower quartile	Median	Mean	Upper quartile	Maximum	Number of pairs of shoes
<b>Adidas</b>	\$63.00	\$94.00	\$131.00	\$158.39	\$171.00	\$702.00	99
<b>Nike</b>	\$90.00	\$183.00	\$234.00	\$255.90	\$298.00	\$900.00	126

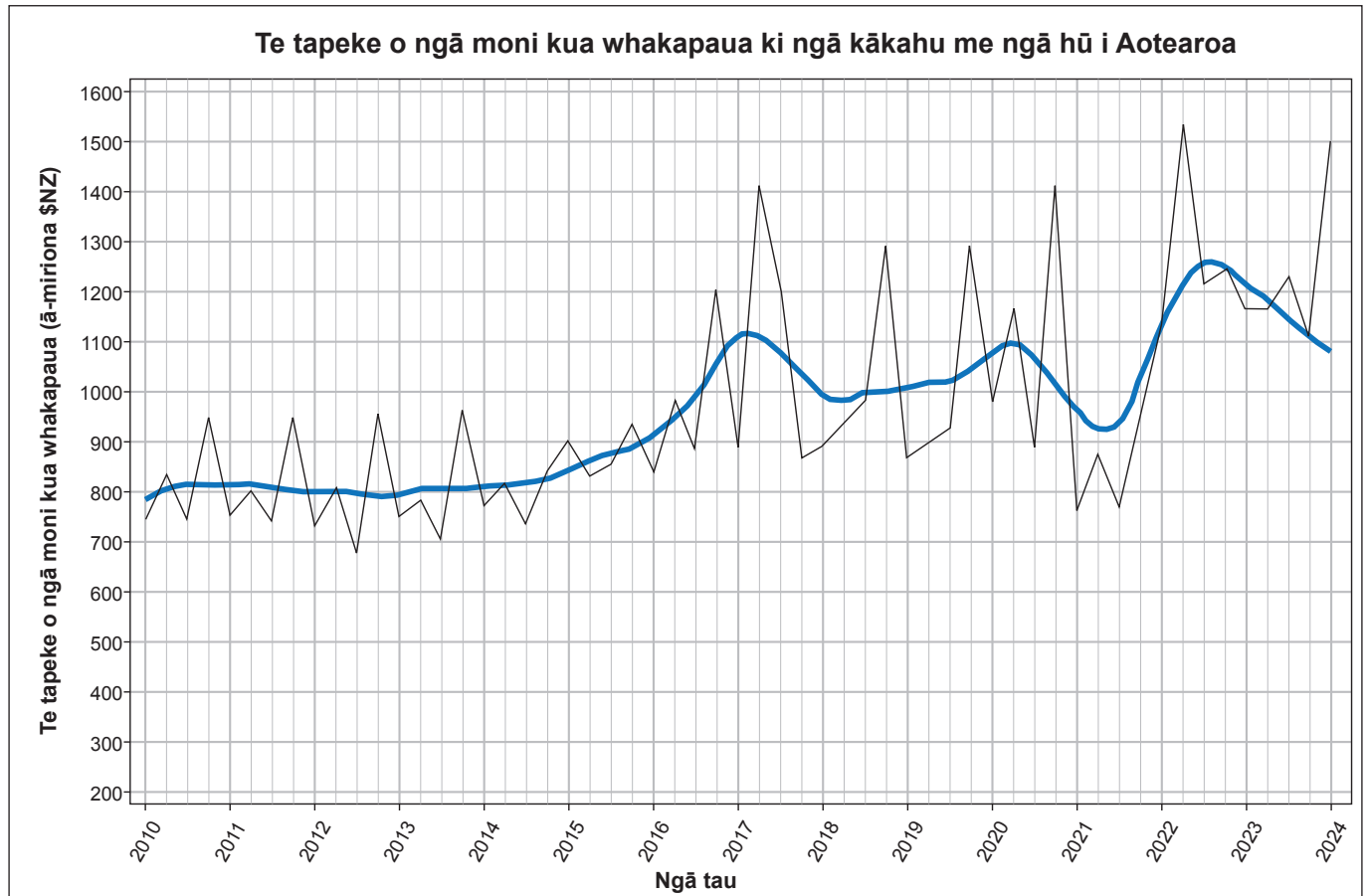
Adapted from: [www.asos.com/women/shoes/cat/?cid=4172](http://www.asos.com/women/shoes/cat/?cid=4172)

## TE RAUEMI 1B

E whakaatuhia ana i te kauwhata i raro nei te nui o te whakapaunga moni (ā-miriona \$NZ) ki ngā kākahu me ngā hū i ia hauwhā o te tau, i waenga i te tau 2010 me te tau 2024.

E 3 marama i ia hauwhā o te tau. Ko te Hauwhā 1, ko Hānuere ki a Māehe; ko te Hauwhā 2, ko Āperira ki a Hune; ko te Hauwhā 3, ko Hūrae ki a Hepetema; ko te Hauwhā 4, ko Oketopa ki a Tihema.

Ko te **rārangi kikorangi** te ia tauroa mō ngā raraunga e whakaatuhia ana.

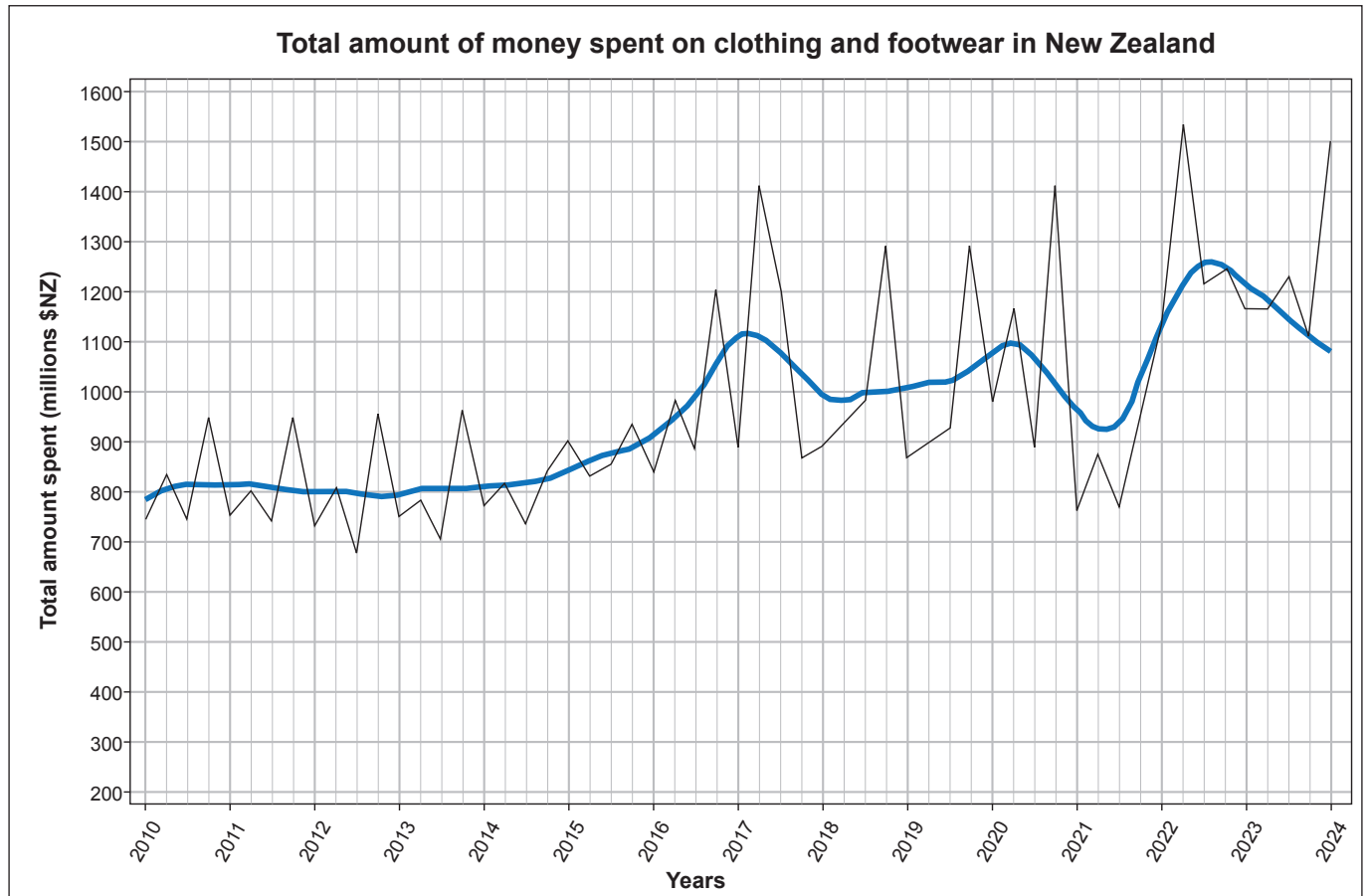


## RESOURCE 1B

The graph below shows the amount of money spent (millions of \$NZ) on clothing and footwear each quarter, between the years 2010 and 2024.

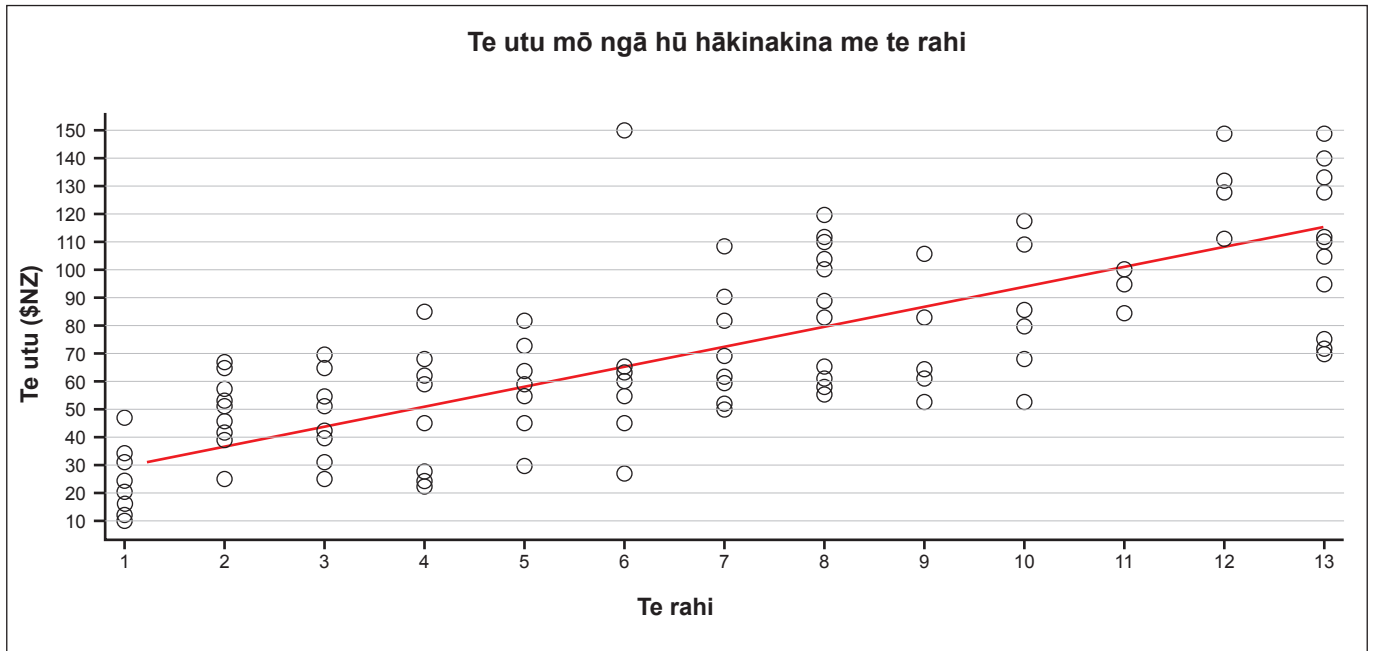
Each quarter is a group of 3 months. Quarter 1 is January to March; Quarter 2 is April to June; Quarter 3 is July to September; Quarter 4 is October to December.

The **blue line** is the long-term trend for the data shown.



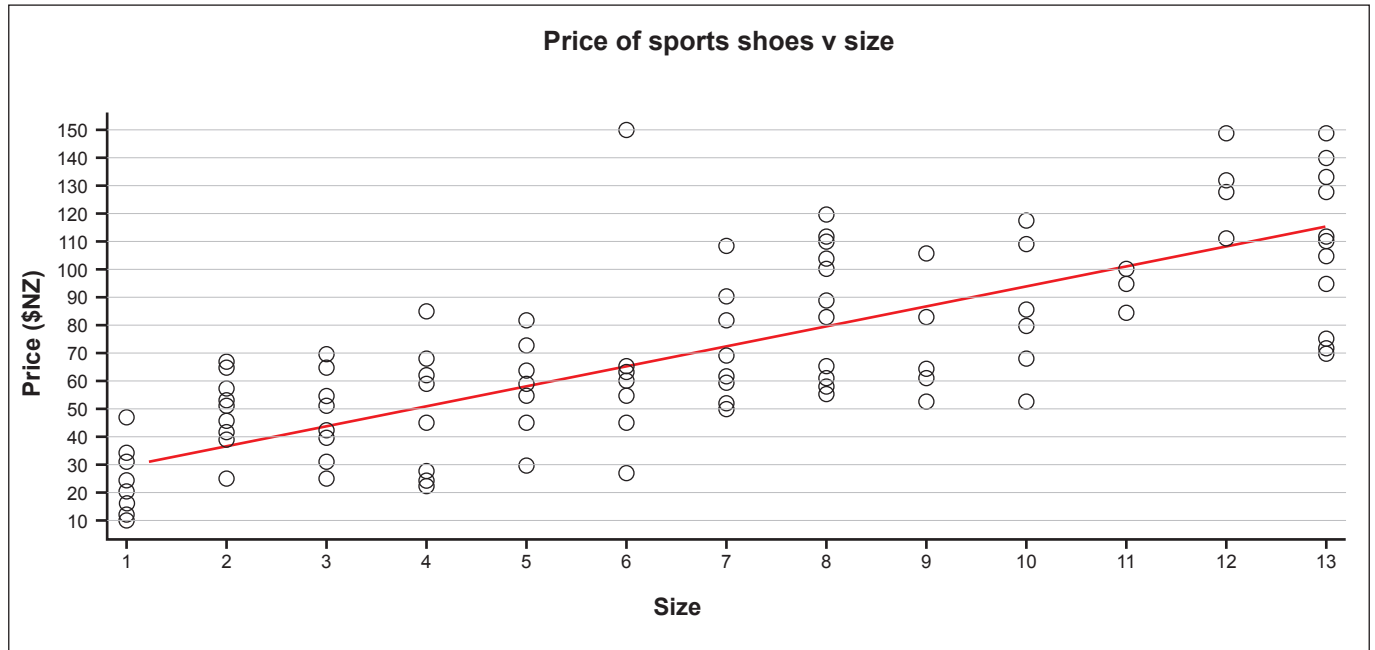
## TE RAUEMI 2A

E whakaatuhia ana i te kauwhata i raro nei te hononga i waenga i te utu (\$NZ) mō te punarua hū hākinakina kotahi me te rahi o ngā hū hākinakina nā runga i te 117 punarua hū kua matapōkere te kōwhiria.



**RESOURCE 2A**

The graph below shows the relationship between the price (\$NZ) of a pair of sports shoes and the size of the sports shoes based on 117 randomly selected pairs.



## TE RAUEMI 2B

E whakaatuhia ana i te tūtohi i raro nei ngā utu me ngā utu motuhake e kitea ana i ētahi pakihi ā-ipurangi e toru, e hoko hū hākinakina ana mō te poiwhana (poikiri). Katoa mai ngā utu he tāra nō Aotearoa.

Ko te utu tuku ka āpitihia e te pakihi e tonoa ai ngā hū ki te kāinga o te kirihoko.

Ko te 15% o te utu hoko mō tētahi tūemi e hokona ana ka āpitihia hei tāke hokohoko (GST).

**I ngā pakihi e toru, ka hāngai kau noa ngā utu motuhake ki ngā hū ko te 1–7 te rahi.**

**E tīnga ana, ka nui ake te utu mō ngā hū e rahi ake ana.**

Te Pakihi	Te Utu	Ngā Utu Motuhake	Te Utu mō te Tuku
<i>Football Direct</i>	\$68	<ul style="list-style-type: none"> <li>Kāore te GST i āpitihia ki te utu.</li> <li>He utu motuhake, arā, ko te <math>\frac{1}{3}</math> o te utu tuku, ka tangohia mēnā kei waenga te utu hoko i te \$70 me te \$100, ka mutu, kua āpitihia kētia te GST.</li> <li>He utu motuhake, arā, kāore he utu tuku, mēnā e nui ake ana te utu i te \$150, ka mutu, kua āpitihia kētia te GST.</li> </ul>	\$9.99
<i>Footy Fields</i>	\$90	<ul style="list-style-type: none"> <li>Kua āpitihia te GST ki te utu.</li> <li>He utu motuhake, arā, 'kāore te GST e utua'.</li> <li>He utu motuhake, arā, ko te 5% te whakahekenga utu mō te punarua hū hākinakina kotahi.</li> <li>He utu motuhake, arā, ko te 10% te whakahekenga utu mēnā e rua ngā punarua hū hākinakina ka hokona.</li> </ul>	\$5.99
<i>Kick Off</i>	\$70	<ul style="list-style-type: none"> <li>Kāore te GST i āpitihia ki te utu.</li> <li>E āhei ana ki te tiki i te wheketere kia kore ai e utu i te utu tuku.</li> <li>He utu motuhake, arā, ina hokona te punarua hū hākinakina, me utu noa i te haurua o te utu o ia rā mō te punarua tuarua.</li> </ul>	\$4.00



## RESOURCE 2B

The table below shows the costs and special offers offered by three different online companies selling sports shoes for football (soccer). All prices are in New Zealand dollars.

Shipping cost is the additional cost that the company charges to send the shoes to a customer's home address.

GST is 15% extra to the cost of the item being purchased.

**For all three companies, the special offers below apply only to shoe sizes 1–7.**

**For larger shoe sizes, prices are likely to be higher.**

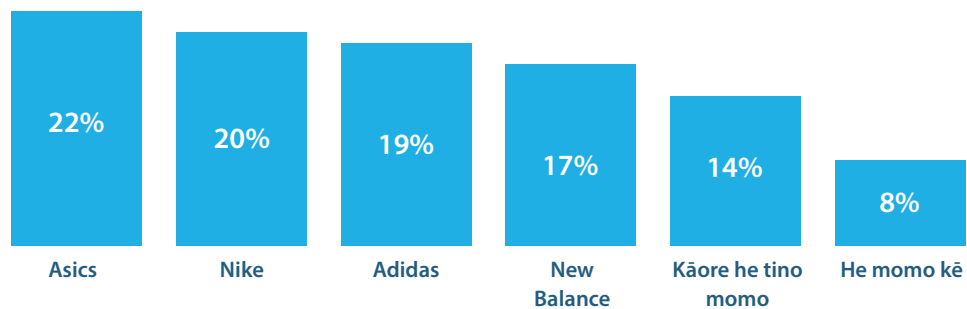
Company	Price	Special Offers	Shipping Cost
<i>Football Direct</i>	\$68	<ul style="list-style-type: none"> <li>Price excludes GST.</li> <li>Special offer of <math>\frac{1}{3}</math> off shipping cost if the purchase price is between \$70 and \$100, including GST.</li> <li>Special offer of no shipping cost if the purchase price is more than \$150, including GST.</li> </ul>	\$9.99
<i>Footy Fields</i>	\$90	<ul style="list-style-type: none"> <li>Price includes GST.</li> <li>Special offer of 'pay no GST'.</li> <li>Special offer of a 5% discount on the price of a pair of sports shoes.</li> <li>Special offer of a 10% discount if buying two pairs of sports shoes.</li> </ul>	\$5.99
<i>Kick Off</i>	\$70	<ul style="list-style-type: none"> <li>Price excludes GST.</li> <li>Will allow collection from the factory so no shipping cost.</li> <li>Special offer of buy one pair of sports shoes and get a second pair for only half its usual price.</li> </ul>	\$4.00

## TE RAUEMI 3

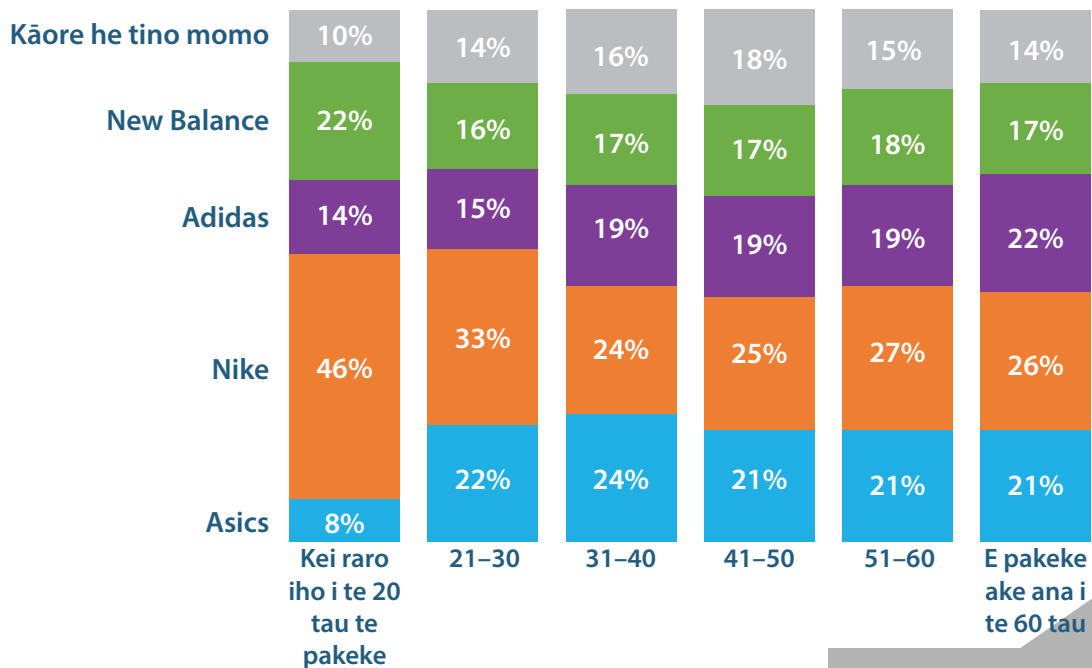
# NGĀ HŪ OMA

Ngā ritenga hoko i te tau 2022

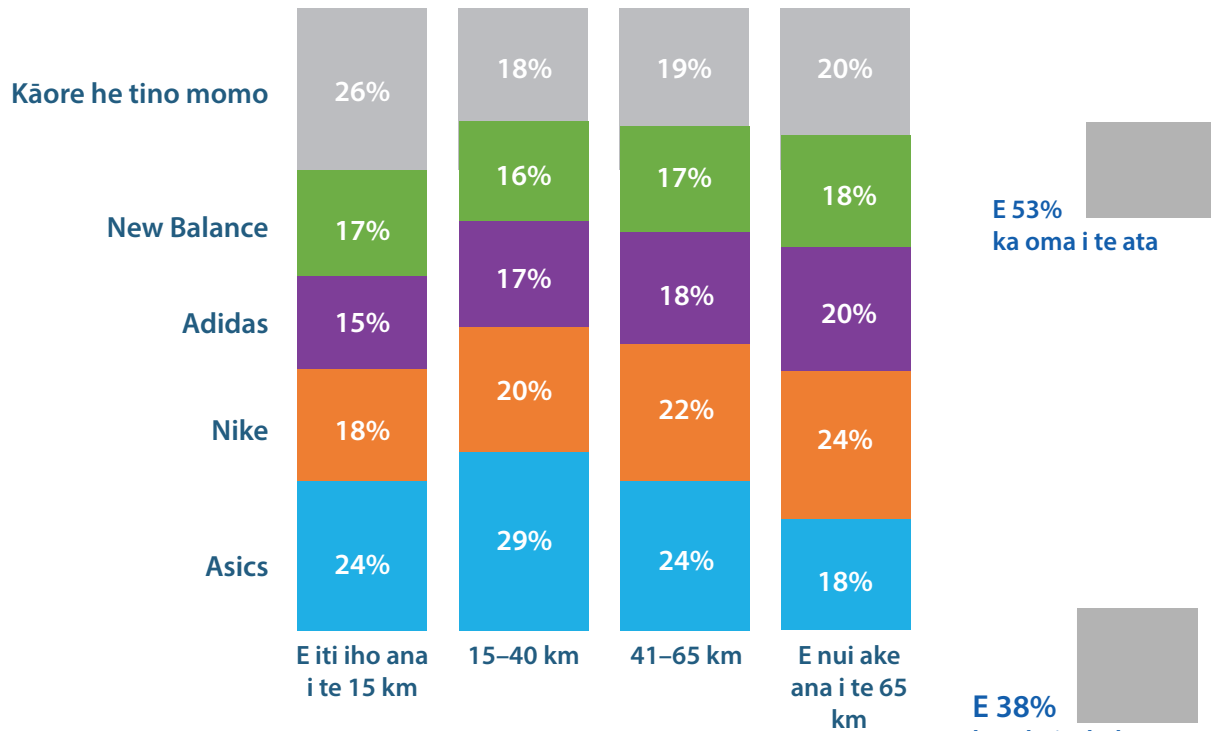
Ngā hū oma e paingia ana



Ngā hū oma e paingia ana i runga i te pakeketanga (hāunga ērā atu momo)



Ngā hū oma e paingia ana i runga i ngā km ka omangia i ia wiki (hāunga ērā atu momo)



E 47%  
ka whakapau i te \$80 ki  
te \$120 ki tētahi punarua  
hū oma e hou ana

E 38%  
ka whai whakaaro  
ki te hāneanea ka  
hokona ana he  
punarua hou

E 26%  
ka whai whakaaro ki  
ō rātou anō wheako  
ka hokona ana he  
punarua hou

E 7%  
ka whai whakaaro ki  
te momo ka hokona  
ana he punarua hou

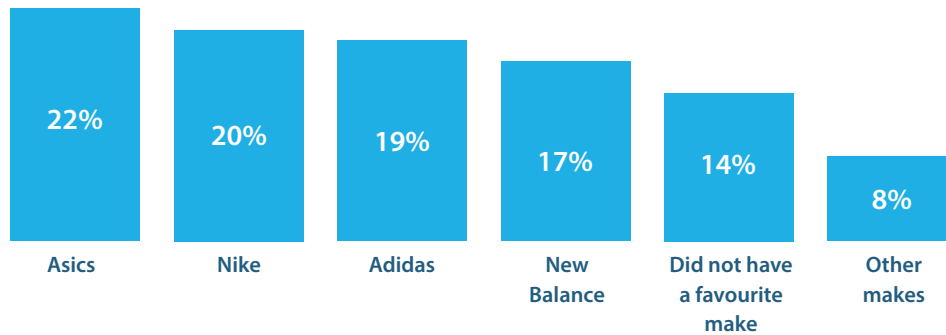
He mea whakatutuki te rangahau e te 2571  
tāngata i toro atu ai ki te paetukutuku o  
*runningshoeguru.com*

## RESOURCE 3

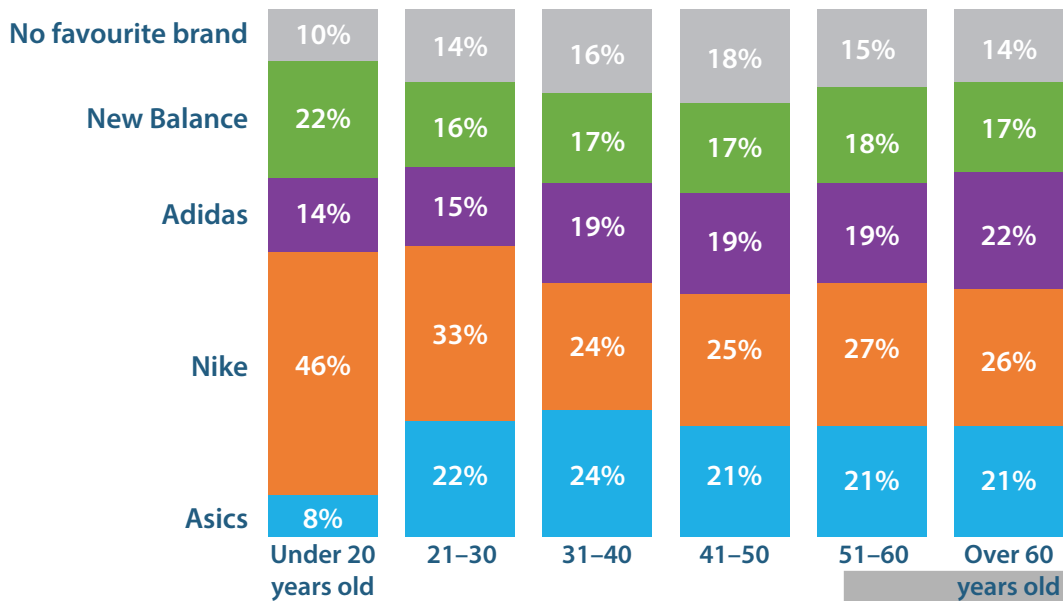
# RUNNING SHOES

Buying habits in 2022

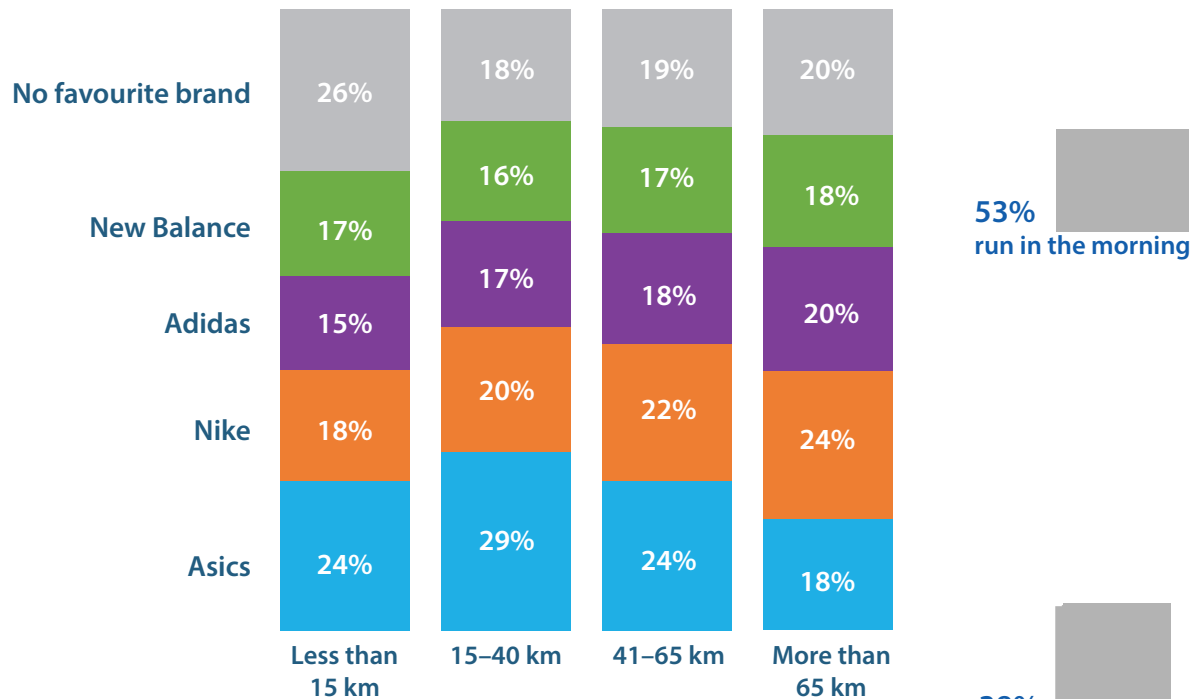
Running shoes preference



Running shoes preference by age (excluding other makes)



Running shoes preference by weekly km run (excluding other makes)



53%  
run in the morning

38%  
consider comfort  
when buying a  
new pair

47%  
spend between \$80 and  
\$120 for buying a new  
pair of running shoes

26%  
consider personal  
experience when  
buying a new pair

7%  
consider the  
brand when  
buying a new pair

Survey was completed by 2571 people who  
visited the website [runningshoeguru.com](https://www.runningshoeguru.com)





*English translation of the wording on the front cover*

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## Level 1 Mathematics and Statistics 2025

**91946M Interpret and apply mathematical and statistical information in context**

Credits: Five

### RESOURCE BOOKLET

Refer to this booklet to answer the questions for Mathematics and Statistics 91946M.

Check that this booklet has pages 2–13 in the correct order and that none of these pages is blank.

**YOU MAY KEEP THIS BOOKLET AT THE END OF THE EXAMINATION.**