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91584MR



NEW ZEALAND QUALIFICATIONS AUTHORITY  
MANA TOHU MĀTAURANGA O AOTEAROA

QUALIFY FOR THE FUTURE WORLD  
KIA NOHO TAKATŪ KI TŌ ĀMUA AO!

## Te Pāngarau me te Tauanga (Tauanga), Kaupae 3, 2022

91584M Te arotake i ngā pūrongo nā runga i te tauanga

Ngā whiwhinga: E whā

### TE PUKAPUKA RAUEMI

Tirohia tēnei pukapuka hei whakaoti i ngā tūmahi mō Te Pāngarau me te Tauanga (Tauanga) 91584M.

Tirohia kia kitea ai e tika ana te raupapatanga o ngā whārangi 2–9 kei roto 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.**

## TE PŪRONGO TUATAHI: BBC Good Food Nation – E tirohia ana e te patapatai ngā āhuatanga o tā te tamaiti kai

*Kei te pīrangi ngā tamariki kia mātātoa ake, ki te whakamātau hoki i ētahi kai hou, ka mutu, e hīkaka ana kia nui ake tā rātou tunu i te kāinga.*

I uia e te pūrongo ngā mātua 1000 o ngā tamariki i waenga i te 5–16 tau te pakeke i Peretānia (UK) e pā ana ki ngā waiaro o ā rātou tamariki ki ngā kai, ki te tunu, ki te kai hoki i aua kai, i tēnei wā tonu, ā ngā rangi hoki kei te heke mai.



Ko te pae hapa o te pūrongo, ko te 3.2%.

He mea whakahāngai i <https://www.bbc.co.uk/newsround/58653757> me <https://www.bbcgoodfood.com/article/bbc-good-food-nation-survey-results>

## REPORT ONE: BBC Good Food Nation – survey looks at children’s eating habits

*Children want to be more adventurous and try different foods and are keen to cook more at home.*

The report asked 1000 parents of children aged 5–16 in the United Kingdom (UK) about their children’s attitudes to food, cooking, and eating, now and in the future.

[Redacted text block]

The report has a margin of error of 3.2%.

Adapted from <https://www.bbc.co.uk/newsround/58653757> and <https://www.bbcgoodfood.com/article/bbc-good-food-nation-survey-results>

## TE PŪRONGO TUARUA: Ngā atakata hei whakapikinga wairua

Kāore i kō atu i tētahi atakata pai hei whakapiki i tō wairua. E whakaūngia ana tēnei e tētahi rangahau hou e tūhura nei i ngā āhuatanga o te hinengaro me te pāngia ōu e ngā karere o te ao pāpāho.

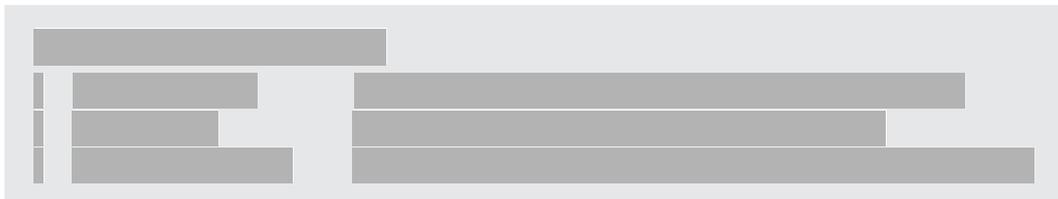
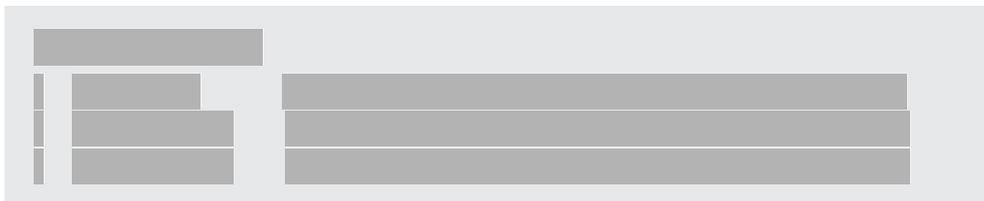
I wāwāhia ngā kaiuru e 748 ki ngā rōpū e rua. I tirohia e ngā rōpū tētahi atakata rānei e whai whakaahua ana me te tuhinga, tētahi “atakata kore” rānei – ko ngā tuhinga anake, kāore he whakaahua i tōna taha. I tonoa ngā kaiuru kia inea ō rātou kare ā-roto i taua wā, tae atu ki te ine i te pīwari me te pukuhohe o te atakata, o te “atakata kore” rānei.



**Katoa mai ngā  
ākonga pai  
me whai  
tānga manawa!**

Te Whakaahua 1: Te atakata (te whakaahua me te tuhinga)  
Te mātāpuna: <https://corgicare.com/books-about-corgis/>

Te Whakaahua 2: Te atakata kore (ngā tuhinga anake)



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[Redacted]	[Redacted]
[Redacted]	[Redacted]

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Nā konei, i horopū ai te waihanganga o te inenga kotahi ki ia kaiuru mō te toharite ā-pīwari, ā-whakangio, ā-whakaamaimai, ā-kare ā-roto matareka anō hoki.

He mea whakahāngai i: <https://doi.apa.org/doiLanding?doi=10.1037%2Fppm0000371>

## REPORT TWO: Memes as mood boosters

There's nothing like a good meme to improve your mood. A new study investigating the psychology of how media messages can affect you confirms this.

The 748 participants were split into two groups. The groups viewed either a meme with an image and text or a "non-meme" – the text only with no accompanying image. Participants were then asked to rate their feelings in the moment, along with rating the cuteness and humour of the meme or "non-meme".



Figure 1: Meme (image and text)

Source: <https://corgicare.com/books-about-corgis/>

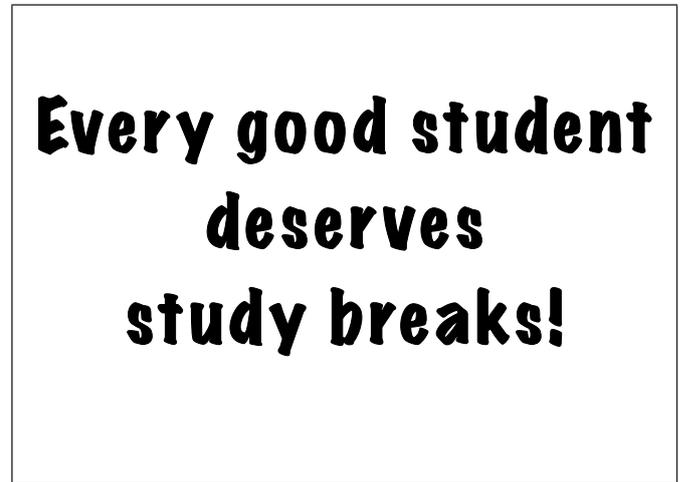
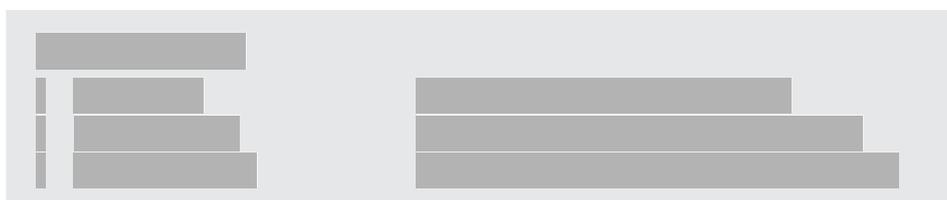
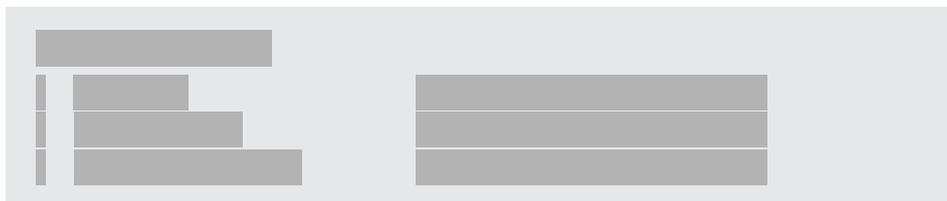


Figure 2: Non-meme (text only)









From these, a single reliable measure for each participant for each of mean cuteness, mean humour, mean anxiety, and mean positive emotions was formed.

Adapted from: <https://doi.apa.org/doiLanding?doi=10.1037%2Fppm0000371>



## REPORT THREE: Companion Animals in New Zealand in 2020

The results of Aotearoa’s largest general survey of pet owners have just been released by Companion Animals New Zealand (CANZ).

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[Redacted]	[Redacted]

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### Methodology

Camorra Research conducted online research among a nationally representative sample of adults aged 18 years and older. Quotas were employed using Statistics NZ 2018 Census data to ensure the sample was representative of the NZ household population by age, gender, and region. The total representative sample was 3 599 respondents, which included 2 322 pet owners. An additional boost of 43 horse owners was conducted to bring the total number of horse owners surveyed to 100. Data collection commenced on 7 April 2020, and was completed on 23 April 2020.

†American Veterinary Medical Association; Pet Ownership & Demographic Sourcebook 2018. *n* = 41 622





*English translation of the wording on the front cover*

**Level 3 Mathematics and Statistics  
(Statistics) 2022**

**91584M Evaluate statistically based reports**

Credits: Four

**RESOURCE BOOKLET**

Refer to this booklet to answer the questions for Mathematics and Statistics (Statistics) 91584M.

Check that this booklet has pages 2–9 in the correct order and that none of these pages is blank.

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

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