

See back cover for an English
translation of this cover

3

91381MR



NEW ZEALAND QUALIFICATIONS AUTHORITY
MANA TOHU MĀTAURANGA O AOTEAROA

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

Mātai Pakihi, Kaupae 3, 2022

**91381M Te whakahāngai i te mōhiotanga pakihi hei
whakaea i t/ētahi raru matatini i tētahi horopaki pakihi o te
ao whānui kua hora**

Ngā whiwhinga: E whā

TE PUKAPUKA RAUEMI

Kōrerotia tēnei pukapuka hei whakaoti i ngā tūmahi mō te Mātai Pakihi 91381M.

Tirohia kia kitea ai e tika ana te raupapatanga o ngā whārangi 2–7 kei roto i tēnei pukapuka, ka mutu, kāore tētahi o aua whārangi i te takoto kau.

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

TE RAUEMI A: Ngā whare i Hāmoa

Ko ētahi fale, he tuanui raurau kāore ōna pātū, he tuanui tīni rānei me ngā ārai ka pōkaitia iho, he whare rānei kua kōpani katoatia – he nui ngā momo fale i Hāmoa. E whānui ana tōna whakamahinga i te ao o te iwi taketake, mai i te whare hui, ki te whare tunu kai, ka mutu, he whare noa iho i ōna wā! Kua whakamahia hoki ngā fale e ngā hōtēra me ngā wāhi hararei hei kōwhiringa nohomanga mō ā rātou manuhiri.

I Hāmoa, he tokomaha tonu ngā tāngata nō te takiwā e noho ana ki ngā fale taketake, e kitea ai e ngā manuhiri ka kuhu ana rātou ki tētahi papakāinga iti.



He fale taketake nō Hāmoa

Te mātāpuna: <https://www.eco-business.com/news/samoas-architects-look-past-boost-climate-resilience/>

TE RAUEMI B: Ngā whare i Whenuatū

E rua ngā rerekētanga e rerekē ai te hangahanga whare i te nuinga o ngā tāone me ngā tāone



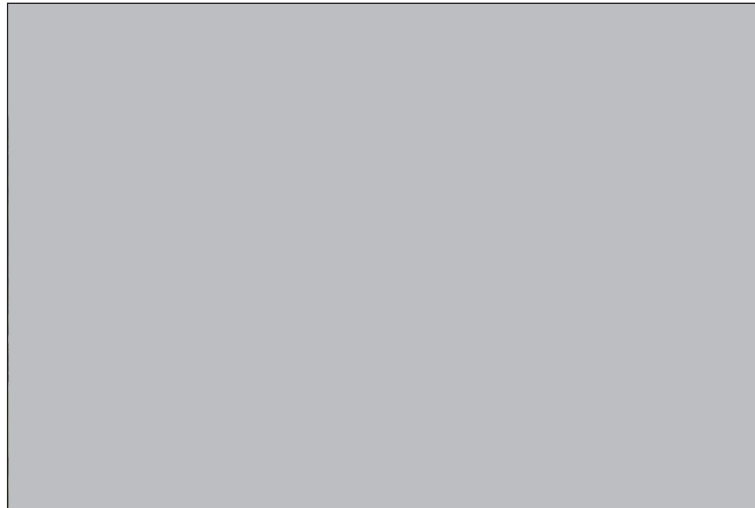
te marumaru o tētahi rākau niu.

Te mātāpuna: <https://www.nybg.org/blogs/science-talk/2018/09/traditional-shelters-cyclone-houses-and-the-temptations-of-modern-construction/>

RESOURCE A: Housing in Samoa

A fale can be a thatched roof with no walls, a tin roof with roll-down blinds, or a fully enclosed building – there are many types of fale in Samoa. Their roles in traditional village life range from meeting house to cooking house to, well, just a house! Hotels and resorts, too, have adopted the fale as an option for their guests to stay in.

In Samoa, many locals still reside in traditional fale, which visitors will see when they enter any small village.



Traditional Samoan fale

Source: <https://www.eco-business.com/news/samoas-architects-look-past-boost-climate-resilience/>

RESOURCE B: Housing in Vanuatu

Two basic differences distinguish house construction in most of the world's modern towns



a coconut tree.

Source: <https://www.nybg.org/blogs/science-talk/2018/09/traditional-shelters-cyclone-houses-and-the-temptations-of-modern-construction/>

TE RAUEMI C: Te Whakahaere Kouna Tōtōpū



Te mātāpuna: <https://www.smartsheet.com/total-quality-management>.

TE RAUEMI D: Te tautuhinga o te Whakaū Kouna

E whai wāhi atu ana ki te **Whakaū Kouna** te hihira, te ine me te whakamātau hei whakaū
 [REDACTED]
 ngā kiritaki o waho.

Te mātāpuna: <https://www.apm.org.uk/resources/what-is-project-management/what-is-quality-management-and-control/>

TE RAUEMI E: He take i te ara tukutuku

“E ngana ana te katoa ki te hanga mō te hemo tonu atu, engari e uaua haere ana te whai
 [REDACTED]

[REDACTED]

mōhio ki tā rātou e utu ai mō ngā rawa hangahanga.”

Te mātāpuna (kua whakahāngaitia): <https://www.stuff.co.nz/national/126828936/unfinished-homes-as-severe-building-supply-shortages-stall-construction>

RESOURCE C: Total Quality Management



Source: <https://www.smartsheet.com/total-quality-management>.

RESOURCE D: Quality Control defined

Quality Control consists of inspection, measurement, and testing to verify that the
preventing problems being passed on to the internal or external customer.

Source: <https://www.apm.org.uk/resources/what-is-project-management/what-is-quality-management-and-control/>

RESOURCE E: Supply chain issue

“Everyone is trying to build flat out, but getting hold of stuff is increasingly difficult and
building materials.”

Source (adapted): <https://www.stuff.co.nz/national/126828936/unfinished-homes-as-severe-building-supply-shortages-stall-construction>

TE RAUEMI F: Te neke i ngā paparahi raima hangarewa**Ngā paparahi raima hangarewa**

He mea hanga ngā paparahi hangarewa mā te hangarewa i te raima ki tētahi momo pūnaha e



ko te 1 ki te 10 tana.

Te mātāpuna (kua whakahāngaitia): <https://static1squarespace.com/static/6212bb92e69a8c51cdd67d91/t/622e94237608a939eafca3a0/1647219795295/Lifting+Matters+Q1+2020.pdf>

TE RAUEMI G: Te whakatairitenga o ngā waka hiki

	Te Waka Hiki A	Te Waka Hiki B
Te utu	E \$415,000	E \$535,000
Te wā e ea ai te utu	E 3 tau	E 4.5 tau
Te taumaha nui katoa ka taea	E 8 tana	15 tana
Te teitei nui katoa o te pīhuka	E 20 mita	E 24 mita
Te whakatau tata o te whaikaha	15 tau	15 tau

RESOURCE F: Moving precast concrete panels

Precast concrete panels

Precast panels are manufactured by casting concrete in a reusable form system which is then

precast panel is 1 to 10 tonnes.

Source (adapted): <https://static1squarespace.com/static/6212bb92e69a8c51cdd67d91/t/622e94237608a939eafca3a0/1647219795295/Lifting+Matters+Q1+2020.pdf>

RESOURCE G: Comparison of cranes

	Crane A	Crane B
Price	\$415,000	\$535,000
Payback period	3 years	4.5 years
Maximum load capacity	8 tonnes	15 tonnes
Maximum hook height	20 metres	24 metres
Estimated life expectancy	15 years	15 years

English translation of the wording on the front cover

Level 3 Business Studies 2022

91381M Apply business knowledge to address a complex problem(s) in a given global business context

Credits: Four

RESOURCE BOOKLET

Refer to this booklet to answer the questions for Business Studies 91381M.

Check that this booklet has pages 2–7 in the correct order and that none of these pages is blank.

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