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91381M



913815



NEW ZEALAND QUALIFICATIONS AUTHORITY  
MANA TOHU MĀTAURANGA O AOTEAROA

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

SUPERVISOR'S USE ONLY

Tohua tēnei pouaka mēnā  
KĀORE koe i tuhi kōrero  
ki tēnei pukapuka

## 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

Paetae	Kaiaka	Kairangi
Te whakahāngai i te mōhiotanga pakihi hei whakaea i t/ētahi raru matatini i tētahi horopaki pakihi o te ao whānui kua hora.	Te whakahāngai i te hōhonu o te mōhiotanga pakihi hei whakaea i t/ētahi raru matatini i tētahi horopaki pakihi o te ao whānui kua hora.	Te whakahāngai i te tōtōpū o te mōhiotanga pakihi hei whakaea i t/ētahi raru matatini i tētahi horopaki pakihi o te ao whānui kua hora.

Tirohia kia kitea ai e rite ana te Tau Ākonga ā-Motu (NSN) kei runga i tō puka whakauru ki te tau kei runga i tēnei whārangi.

**KOTAHI te tūmahi kei roto i tēnei pukapuka. Me whakamātau koe i ngā wāhanga E WHĀ o te tūmahi.**

Tangohia te Puka Rauemi 91381R mai i te puku o tēnei pukapuka.

Kōrerohia ngā mātauranga pakihi e hāngai ana me ngā ariā pakihi Māori hoki/rānei i roto i ō tuhinga.

Mēnā ka hiahia whārangi atu anō mō ō tuhinga, whakamahia ngā whārangi wātea kei muri o tēnei pukapuka.

Tirohia kia kitea ai e tika ana te raupapatanga o ngā whārangi 2–23 kei roto i tēnei pukapuka, ka mutu, kāore tētahi o aua whārangi i te takoto kau.

Kaua e tuhi i ngā wāhi e kitea ai te kauruku whakahāngai (✂). Ka poroa pea taua wāhanga ka mākahia ana te pukapuka.

**HOATU TE PUKAPUKA NEI KI TE KAIWHAKAHAERE HEI TE MUTUNGA O TE WHAKAMĀTAUTAU.**

## TE TŪMAHI

E WHĀ ngā wāhanga o tēnei tūmahi, arā te (a) ki te (d). Whakamahia ngā pārongo kei te pukapuka rauemi, ngā pouaka kei tēnei pukapuka, me tōu anō mōhiotanga ki te ao pakihi hei whakatutuki i tēnei tūmahi. E wātea ana koe ki te whakauru i ngā ariā pakihi Māori ki roto i ō tuhinga.

## NGĀ PĀRONGO HEI HOROPAKI

He pakihi hangahanga a *Constructocity* i Aotearoa e aro whāiti nei ki te whakatū i ngā kāinga e tareka ā-utu ana, e kounga ana hoki. Kua whakahaerehia a *Constructocity* i te māketē o Aotearoa mō ngā tau e 25 kua hipa, ā, koia tētahi o ngā kaihanganga whare nui katoa o te motu. Nā runga i te mīharo o tana angitu i te māketē o te takiwā, 15 tau ki muri i kuhu atu ai a *Constructocity* ki te māketē o Ahitereiria, i reira ka toaitia tana angitu, e noho nei ki te tūranga tuarima o ngā kaihanganga whare nui katoa i Ahitereiria i tēnei wā.

Ināianei, ko te toro ki ngā moutere o Te Moananui nui a Kiwa tētahi o ngā whāinga tāpua a *Constructocity*. I tīmata tā rātou tuku i ā rātou ratonga hangahanga ki reira e toru tau ki muri, ā, e whai ana kia tū ko rātou te kaiwhakatū whare nui katoa i te rohe o Te Moana nui a Kiwa i mua i te ekenga ki te tau 2035.

Ka inea e te pakihi tōna angitu ki tētahi inenga huawhā, nā reira i te taha o ana whāinga toitū mō te taha ki te ohaoha, e kaha ana hoki ā *Constructocity* whāinga pāpori, whāinga taiao, whāinga ahurea hoki. Ko tētahi o ana whāinga tāpua ko te whakapiki i te oranga o ngā tāngata nō ngā moutere mā roto i te whakatū i ētahi kāinga e tau ana, e tareka ā-utu ana hoki.

Ko ngā rawa hangahanga matua mō waho e whakamahia ana e *Constructocity*, ko te rākau, ko te maitai, ko te kōata, ko te pereki hoki. E whai ana te pakihi ki te whakatepe i tana pānga ki te taiao mā roto i te whakamahi i ngā rawa e toitū ana i roto i āna tukanga hangahanga me te whakaheke i te nui o ngā para i ō rātou papa mahi katoa. Kei te kaha tā rātou whakamahi i ngā rākau tukurua, i ngā rākau rānei e toitū ana te āhua o te tipu, ki roto i ā rātou mahi hangahanga, ka mutu, ka whakamahia te wūru hei puri mahana.

## TASK

This task has FOUR parts, (a) to (d). Use the information from the resource booklet, the boxes in this booklet, and your business knowledge to complete this task. You may integrate any relevant Māori business concepts into your answers.

## BACKGROUND INFORMATION

*Constructocity* is a New Zealand construction business which specialises in the construction of affordable yet quality homes. *Constructocity* has operated in the New Zealand market for the last 25 years and is one of the biggest builders of homes in the country. Due to remarkable success in its local market, *Constructocity* expanded 15 years ago into the Australian market where it has replicated its New Zealand success to currently be the fifth-largest builder of homes in Australia.

Growth into the Pacific Islands is now a key goal of *Constructocity*. It began offering construction services there three years ago and aims to become the largest provider of housing in the Pacific region by 2035.

The business measures its success using the quadruple bottom line, so along with economic sustainability goals, *Constructocity* has strong social, environmental, and cultural goals. One of its key goals is to improve the lives of Pacific people through the construction of attractive but affordable homes.

The external building materials primarily used by *Constructocity* are timber, steel, glass, and brick. The business aims to limit its impact on the environment by using sustainable materials in its construction process and minimising the amount of waste products on any given site. It maximises the use of recycled or sustainably grown timber in its construction work, and uses wool for insulation.

Mai i tana tīmata ki te hanga kāinga i ngā moutere o Te Moana nui a Kiwa, kua uaua tā *Constructocity* whai wāhi atu ki te māketē. Kua rongo rātou i te korenga o ā rātou tauira whare e pīrangitia i angitu ai rātou i Aotearoa me Ahitereiria. Ināianei, kua mārāma ngā kaiwhakahaere i te pakihi me hoahoa tauira hou mō te māketē i ngā moutere o Te Moana nui a Kiwa.

- (a) (i) Mā te whakamahi i te Rauemi A me te Rauemi B, whakamāramatia te take me waihanga tauira hou a *Constructocity* mō ngā moutere o Te Moana nui a Kiwa.

- (ii) Whakamāramatia tētahi pānga o te waihanganga o ngā taurira hou ki te pakihi.

Since it began the construction of homes in the Pacific Islands, *Constructocity* has struggled to gain a foothold in the market. It has experienced a lack of interest in the housing models it has achieved such success with in New Zealand and Australia. Managers at the business have now realised that they will have to design new models for the Pacific market.

- (a) (i) Using Resources A and B, explain the cause of new models having to be developed by *Constructocity* for the Pacific Islands.

- (ii) Explain an effect the development of new models would have on the business.

Hei ngana ki te whakapiki i te wanea o ngā kiritaki, e tūhura ana a *Constructocity* i te whakamahinga o tētahi pūnaha whakahaere i te kouniga.

(b) (i) Mā te whakamahi i te Rauemi C, whakamāramatia tētahi pānga pai ki te pakihi o te whiriwhiri ki te whakamahi i Te Whakahaere Kouniga Tōtōpū.

(ii) Mā te whakamahi i te Rauemi D, whakamāramatia tētahi pānga pai ki te pakihi o te whiriwhiri ki te whakamahi i Te Whakaū Kounga.

As well as design issues in the Pacific Islands, *Constructocity* has been receiving negative online reviews in New Zealand regarding the quality of its builds. The main concern being raised is the suggestion of corner-cutting, with finished builds having imperfections which need to be corrected after the finish date.

In an attempt to improve customer satisfaction, *Constructocity* is investigating the use of a quality management system.

As well as design issues in the Pacific Islands, *Constructocity* has been receiving negative online reviews in New Zealand regarding the quality of its builds. The main concern being raised is the suggestion of corner-cutting, with finished builds having imperfections which need to be corrected after the finish date.

In an attempt to improve customer satisfaction, *Constructocity* is investigating the use of a quality management system.

- (b) (i) Using Resource C, explain one positive effect that choosing to use Total Quality Management would have on the business.

- (ii) Using Resource D, explain one positive effect that choosing to use Quality Control would have on the business.







Inā tata nei, nā ngā take i te ara tukutuku, i iti ai te wātea o ngā rawa hangahanga ki a *Constructocity*.

- (c) (i) Mā te whakamahi i te Rauemi E, whakamāramatia tētahi pānga o ngā take ara tukutuku kei mua i a rātou ka puta pea ki a *Constructocity*.

In recent times, supply chain issues have resulted in a shortage in the availability of building materials for *Constructocity*.

- (c) (i) Using Resource E, explain one possible impact on *Constructocity* of the supply chain issues it is currently facing.





Hei rongoā mō ngā take ara tukutuku, e tahuri ana a *Constructocity* kia rerekē ngā momo rawa hangahanga e whakamahia ana e rātou. Kua whakatau rātou kia waihangahia ētahi tauira whare mō te māketē i Aotearoa me Ahitereiria, e whakamahi ana i ngā paparahi raima nō te hangarewa. E whakapono ana a *Constructocity* ki te hāngai o te whakamahinga o ngā paparahi raima ki āna whāinga o te toitūtanga o te taiao, nā runga i te mōhio e ahu mai ana te raima i te rohe pātata, e marohi ana, e taea ana hoki te hangarua.

E hangaia ai ngā whare ki ngā paparahi raima nō te hangarewa, me hoko a *Constructocity* i tētahi waka hiki, e whakamahia ai hei hiki, hei neke hoki i ngā paparahi ki te wāhi e pīrangitia ana. Kua rangahaua e ngā kaiwhakahaere o *Constructocity* ngā waka hiki e rua, ā, e wātea ana ngā mea e rua kia hokona i Aotearoa me Ahitereiria.



Te mātāpuna: <https://cranenetworknews.com/7-types-of-cranes-used-in-construction-works/>

In response to the supply chain issues, *Constructocity* is looking to diversify the building materials it uses. It has made the decision to develop some housing models for the New Zealand and Australian markets, which use precast concrete panels. *Constructocity* is confident that the use of precast concrete aligns with its current environmental sustainability goals, as the concrete can be sourced locally, is durable, and is able to be recycled.

In order to build houses using precast concrete panels, *Constructocity* will need to invest in a crane, which will be used to lift and move the panels into the desired position. Managers at *Constructocity* have researched two possible cranes, both of which are currently available for purchase in New Zealand and Australia.



Source: <https://cranenetworknews.com/7-types-of-cranes-used-in-construction-works/>

*Tēna, hurihia* ➤



Please turn over ➤





**He whārangi anō ki te hiahiatia.  
Tuhia te tau tūmahi mēnā e hāngai ana.**

TE TAU  
TŪMAHI

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

QUESTION  
NUMBER

**He whārangi anō ki te hiahiatia.  
Tuhia te tau tūmahi mēnā e hāngai ana.**

TE TAU  
TŪMAHI

**Extra space if required.**  
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QUESTION  
NUMBER

*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

91381M

Achievement	Achievement with Merit	Achievement with Excellence
Apply business knowledge to address a complex problem(s) in a given global business context.	Apply in-depth business knowledge to address a complex problem(s) in a given global business context.	Apply comprehensive business knowledge to address a complex problem(s) in a given global business context.

Check that the National Student Number (NSN) on your admission slip is the same as the number at the top of this page.

**There is ONE task in this booklet. You should attempt ALL FOUR parts of the task.**

Pull out Resource Booklet 91381R from the centre of this booklet.

Refer to relevant business knowledge and/or Māori business concepts in your answers.

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 2–23 in the correct order and that none of these pages is blank.

Do not write in any cross-hatched area (XXXX). This area may be cut off when the booklet is marked.

**YOU MUST HAND THIS BOOKLET TO THE SUPERVISOR AT THE END OF THE EXAMINATION.**