How Far is it to the Moon?

Kia ora explorers!

This worksheet is to help you learn about space and the Moon!

Start by watching this LEGO Discover video on YouTube:

https://www.youtube.com/watch?v=58LuxO3y-Ow

QUESTIONS:

Research:
What year did Laika first visit space?

_____

Laika was part of the S _ _ _ _ _ _ _ Mission. Which country ran that mission?

_____

In the video, there are three reasons Yuri Gagarin was chosen to be the first man in space. Can you remember all three?

1 _____

2 _____

3 _____

Research:
What was the name of the 1969 Mission that put Americans Neil Armstrong and Buzz Aldrin on the moon?

_____

How Far is it to the Moon?

A rocket will travel at 7.9 kilometres per second. Work out how far it is from your house to the New Zealand Space Agency (15 Stout St, Wellington 6011) using either a map and ruler or Google maps (right click on your house then select measure distance).

Distance = _____ km

Calculate how many seconds it would take for a rocket to travel from your house to the NZ Space Agency. You can use the following formula to help you: time=distance/speed

_____ s = _____ km /7.9kms

Research:
Sir Isaac Newton is famous for discovering gravity. Do some research about his discovery. What falling object is said to have triggered Sir Isaac to make this discovery?

_____

Research:
How many people have set foot on the moon?

_____

Why are there still footprints on the moon?

_____

Research:
When was the most recent person there?

_____

Bonus:
Who was it?

_____

Imagination Station

How Far is it to the Moon?

Research:
There are moons orbiting other planets too. Which planet has the most moons? (Be careful where your answer comes from—anything more than a year old could be wrong, since scientists are always discovering new things!)

Build or draw a creature you think would be able to live on the moon. You need to think about what it will eat and drink, as well as how it will survive in low gravity. You might also want to do some research about the average temperature on the moon—there's never any wind but does that mean the weather is always warm?