

Learning
From Home
Offline
Booklet

Term 3 Week 10
Stage 3



Term 3 - Week 10 - Stage 3

	Monday	Tuesday	Wednesday	Thursday	Friday
Morning Session 1	<p style="text-align: center;"><u>Daily Gratitude</u></p> <p style="text-align: center;">Go to your Daily Gratitude document and fill it in to start your day!</p>	<p style="text-align: center;"><u>Daily Gratitude</u></p> <p style="text-align: center;">Go to your Daily Gratitude document and fill it in to start your day!</p>	<p style="text-align: center;"><u>Daily Gratitude</u></p> <p style="text-align: center;">Go to your Daily Gratitude document and fill it in to start your day!</p>	<p style="text-align: center;"><u>Daily Gratitude</u></p> <p style="text-align: center;">Go to your Daily Gratitude document and fill it in to start your day!</p>	<p style="text-align: center;">Mini Project Ultimate Dream House Build PDF</p> <p style="text-align: center;"><i>This week you will be having a pause week from the SPACE VACATION project. We will resume that project and "Mission 3" in week 1 of next term.</i></p>
Morning Session 2	<p style="text-align: center;"><u>Spelling</u></p> <p style="text-align: center;">Soundwaves Unit 29, Page 1</p> <p style="text-align: center;">Complete Page 1 of your Soundwaves unit.</p>	<p style="text-align: center;"><u>Reading Comprehension</u></p> <p style="text-align: center;">Read the text "Formation of Earth" and complete the questions on the question and answer sheet using full sentences.</p> <p style="text-align: center;">Ask a parent to use the marking guide to correct your work.</p>	<p style="text-align: center;"><u>Spelling</u></p> <p style="text-align: center;">Soundwaves Unit 29, Page 2</p> <p style="text-align: center;">Complete Page 2 of your Soundwaves unit.</p> <p style="text-align: center;">Optional: To extend yourself, create a rap or a rhyme using as many of your list words as you can.</p>	<p style="text-align: center;"><u>History</u></p> <p style="text-align: center;">Australian Colonies - Changing the Environment.</p> <p style="text-align: center;">Read through the passage and complete the comprehension questions.</p>	
Fruit Break					
Morning Session 3	<p style="text-align: center;">Week 10 Wellbeing Grid</p> <p style="text-align: center;">It is more important than ever to care of ourselves and those around us</p> <p style="text-align: center;">Choose an activity from the Wellbeing Grid to complete during this session.</p>	<p style="text-align: center;">Week 10 Wellbeing Grid</p> <p style="text-align: center;">It is more important than ever to care of ourselves and those around us</p> <p style="text-align: center;">Choose an activity from the Wellbeing Grid to complete during this session.</p>	<p style="text-align: center;">Week 10 Wellbeing Grid</p> <p style="text-align: center;">It is more important than ever to care of ourselves and those around us</p> <p style="text-align: center;">Choose an activity from the Wellbeing Grid to complete during this session.</p>	<p style="text-align: center;">Week 10 Wellbeing Grid</p> <p style="text-align: center;">It is more important than ever to care of ourselves and those around us</p> <p style="text-align: center;">Choose an activity from the Wellbeing Grid to complete during this session.</p>	<p style="text-align: center;">Please follow the project page in your booklet for the instructions to this mini project.</p>

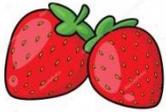
Lunch					
Middle Session	Maths Problem solving Complete the MATHAROO problem solving worksheet. Answers have been removed and will be posted up by your teacher later in the week.	Maths Design task: board game part 1 Open the document titled " Tuesday maths " and work through the slides to design your board game. Make sure you read through everything carefully and gather the resources you need to make the game tomorrow.	Maths Design task: board game part 2 Open the document titled " Wednesday maths " and work through the slides. Today you will be making your board game. Remember to upload a photo or video of you playing your board game. Keep the game so you can share it with your class when we are back at school next term.	Maths Revision - whole number Open the document titled " Thursday maths - week 10 " and complete the multiplication and division worksheets.	Zoom - 12:30pm If you can, join your class for zoom by logging into the google classroom and following the posted link.
Recess					
Afternoon Session	Science Constellation Comparison Step 1: Read through the example comparison filled out on 'Orion'. Step 2: Read through the information in the text 'Kindred Skies Ancient Greeks and Aboriginal Australians'. Step 3: Using the 'Constellation Comparison' worksheet,	Art (Directed Drawing) Draw and create a picture of our solar system. Choose one of the example pictures as your inspiration and GET CREATIVE! You can use colour pencils, crayons or paint! Whatever you have at home!	Week 10 Wellbeing Grid It is more important than ever to care of ourselves and those around us Choose an activity from the Wellbeing Grid to complete during this session.	Week 10 Wellbeing Grid It is more important than ever to care of ourselves and those around us Choose an activity from the Wellbeing Grid to complete during this session.	Continue to work on and complete this mini project to the best of your ability.

	<p>choose one of the constellations discussed in the text - <i>'Scorpions and Canoes'</i>, <i>'The Twins'</i> or <i>'Bird Flying High'</i>.</p> <p>Step 4: Complete the comparison table to tell the story of the constellation from the perspective of Greek mythology and Aboriginal tradition.</p>				
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Week 10 Wellbeing Grid

It is more important than ever to care of ourselves and those around us. When taking part in these activities please remember these special tasks:

Show kindness to yourself and others. Have confidence in what you do. Communicate and connect with family and friends. Finally, reflect on all the great things you can do.

<p>Make a fruit smoothie using your favourite fruit. Add some milk or yogurt to make it delicious! Or make a fruit kebab for a tasty snack.</p> 	<p>Phone, FaceTime or write a letter to a friend. Tell them all your news. Ask them how they are.</p> 	<p>Use sheets, blankets and chairs to make a cubby house. Get your favourite book and curl up in your cubby house and read.</p> 	<p>Find and colour in a mindfulness colouring in. If you don't have a printer, design your own and have fun colouring it in.</p> 	<p>Get out on your bike, scooter or anything with wheels! Remember to ask a parent first.</p> 
<p>Help out in the garden. Water, weed or plant some seeds.</p> 	<p>Plan a secret kindness mission for someone in your home. Choose a day to do something or make something as a surprise to make them smile.</p> 	<p>Choose a recipe you have never made before and bake or cook something new!</p> 	<p>Make a playlist of songs and have a family disco at home! Ensure everyone has the chance to choose their favourite songs.</p> 	<p>Create a treasure hunt with clues around the garden/house and to a final destination.</p> 
<p>Use your imagination and as a family create a story, each taking it in turns to add one sentence. If nobody is free, write a story yourself.</p> 	<p>Host a picnic in your garden or inside your house, invite your family if they are free.</p> 	<p>Play some board games with your family. It is important to spend time and have fun with the people you love.</p> 	<p>Help out with some chores. You might do the washing up, vacuuming or hang out a load of washing to dry.</p> 	<p>Host a karaoke with your family. Sing your favourite songs together!</p> 

Term 3 Week 10

Monday, September 13th, 2021

Daily Gratitude

Name _____

Today's date	<ul style="list-style-type: none">- What are three things you are thankful for today?- What are three positive things that happened today?<ul style="list-style-type: none">- If you can't identify three positive things, what is something you can change for tomorrow that can make your day better?
<u> / / </u> Monday	<ul style="list-style-type: none">---
<u> / / </u> Tuesday	<ul style="list-style-type: none">---
<u> / / </u> Wednesday	<ul style="list-style-type: none">---

<u> / / </u> Thursday	- - -
<u> / / </u> Friday	- - -





Student Name: _____

Grade: _____ Date: _____

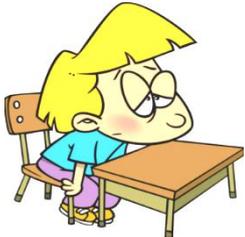
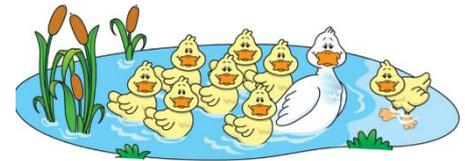


1. A new **ABBA** virtual concert will be held in a three-thousand seat arena. Write that number down in figures.



2. There were 3 kookaburras and 13 crows sitting on a fence. Then a loud noise scared 7 of the birds away. How many birds were still sitting on the fence?

3. A duck and her 8 ducklings were swimming across a lake. Then five of the ducklings swam off in a different direction. How many ducklings were left with their mother?



4. If the day after tomorrow will be Friday, what day of the week was yesterday?

5. If one M&M lolly weighs 5 grams, what would be the weight of a spoonful of 12 M&Ms?



6. Write down the number 28 in words.



7. The path in Amy's backyard is exactly 14 metres long. If she hops all the way along the path and back again, how far does she hop, in metres?

8. Open-ended Question: Using pencil and ruler, draw a **TRIANGLE** inside a **SQUARE**. Next, draw a **SQUARE** inside a **TRIANGLE**. Then, colour them in.



MATHAROO Worksheet MP – 28 21

Student Name: _____

Grade: _____ Date: _____

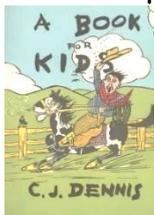


1. Top Swedish singing group **ABBA** are planning a concert next year, where they **WON'T** appear on stage. It will be a "virtual" concert in a 3,000 seat arena. In a full arena, if **HALF** the people are under 30 years old, how many will be 30 years old or older?



2. Prime Minister Scott Morrison has announced that Paralympians will receive the same rewards for winning medals as in the 2020 Tokyo Olympics – \$20,000 for a Gold Medal, \$15,000 for Silver and \$10,000 for Bronze. If an athlete wins a silver and 2 bronze medals, how much money will he/she receive altogether?

3. For Theo's 9th birthday, he received an electric scooter. His mum and dad only let him ride it at up to 20 kilometres per hour. If he rides it at that speed for 15 minutes, how far would he travel in that time?



4. Exactly one hundred years ago, Australian poet C.J. Dennis released his book of poems for children, called "A BOOK FOR KIDS". In what **YEAR** was that book published?

5. Australia Post is currently selling toy Paw Patrol Vehicles for \$24.80 each. Jamie has a total of \$55 that he received for his birthday. How many of the vehicles can he buy with that money?



6. There were 62 chips in a full cylinder of potato chips. If half have been eaten already, how many chips remain in the cylinder?

7. The most-borrowed children's books at one local library last year were: "DOG MAN" (230 loans); "WeirDo 15" (196); "WeirDo 14" (180). How many loans were there for these 3 books **in total** at that library?



8. A new App – "SNAP SEND SOLVE" – encourages people to take photos of areas of rubbish near their homes, so the local Council can "spring clean" their suburbs. One Council currently gets about 200 reports of rubbish dumping per month. With the new App, they are expecting that figure to jump to 500 reports per month. How many **MORE** reports would that be **IN A FULL YEAR**, than at present?



9. Open-ended Question: Tess swims 12 lengths each morning in her backyard swimming pool. How far **MAY** she swim each day, in metres? Give 3 possible, **SENSIBLE** answers.



Student Name: _____

Grade: _____ Date: _____



1. A new ABBA "virtual concert" series has been announced for 2022. As a lead-up to the concerts, they will be releasing a new 10-track album in November. If 6 of the tracks run for 2 minutes 38 seconds, and the rest are 2 min. 24 sec., find the **AVERAGE** length of each track on the album.



2. This Wednesday, 8th September is "INTERNATIONAL LITERACY DAY". If Tony read 5 books in June, three times as many in July as in June, and 4 books in August, what **FRACTION** of all those books did he read in June and July combined?

3. The number of ringtones on mobile phones fell from 4.6 million in 2016 to 3.7 million in 2020. Write the **DIFFERENCE** between those two numbers, in **FIGURES**.



4. Prime Minister Scott Morrison has announced that Paralympians will receive the same financial rewards for winning medals as in the Olympics -- \$20,000 for a Gold Medal; \$15,000 for Silver; \$10,000 for Bronze. If Australians won 7 Gold, 9 Silver and 13 Bronze medals, how much money would the Government be providing to medal-winning Paralympic athletes?

5. The most-borrowed children's books at one local library last year were: "DOG MAN" (230 loans); "WeirDo 15" (196); "WeirDo 14" (180). What **FRACTION** of loans of these 3 books were for "WeirDo" titles? Express your answer in simplest terms.



6. Using the figures in Question 5 above, show these figures on a graph.

7. Two very long rivers in Australia are the Murray (2,508 km) and the Murrumbidgee (1,485 km). How much **LONGER** is the Murray than the Murrumbidgee? Find a **COMMON FACTOR** of those lengths.



8. A men's clothing shop ordered $13\frac{1}{3}$ dozen pairs of socks, in readiness for Father's Day. They sold three-quarters of them before Father's Day. How many pairs of those socks did they still have on their shelves to sell **AFTER** Father's Day?

9. **Open-ended Question:** A **FRACTION** of the 472 athletes that represented Australia at the 2020 Tokyo Olympics won at least one medal. What fraction **MAY** that have been? Give 3 possible answers.



MATHAROO Worksheet EXT – 28 21

Student Name: _____

Grade: _____ Date: _____



1. The new ABBA album, titled "VOYAGE", will be released in November. They aimed to record 2 tracks, but ended up recording 10 tracks. What **MULTIPLE** of 2 is 10? And what **PERCENTAGE INCREASE** is that?



2. One small car has a petrol consumption of 6.2 litres per 100 kilometres. Its competitor has a consumption of 7.2 L/100 km. How much **EXTRA** does the owner of the second car pay over that paid by the first car owner, if they each travel 200 kilometres, and petrol costs \$1.48 per litre?

3. A favourite TV program on SBS is "LETTERS AND NUMBERS". The program started in France with the title "DES CHIFFRES ET LETTRES". What **FRACTION** of the letters in the FRENCH title are consonants?

LETTERS AND
NUMBERS



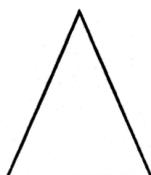
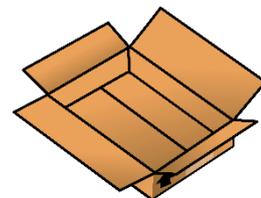
4. Of the 24 pages in last Tuesday's (very thin) newspaper, $\frac{3}{8}$ of the pages were about sport, $\frac{1}{4}$ of the pages were about finance, and the remainder of the paper was about general news. How many pages were "general news" pages?

5. As a fundraiser for cancer research, "THE KIDS' CANCER PROJECT" is asking people to run, walk or roll 90 kilometres in September and get their sponsors to donate money to a worthy cause. For participants, if they cover an equal distance each day in September, what would that distance be?



6. Jeannie takes her dog Jett to the dog park. There are only 3 breeds at the park, and there are fewer than 20 dogs there. There are 4 times as many poodles as there are Maltese, and 3 times as many beagles as there are Maltese. How many Maltese are there?

7. **OPEN-ENDED QUESTION:** The volume of a rectangular cardboard carton is 640 cubic centimetres. If the width of the base is $12\frac{1}{2}$ cm, what **MAY** be the other two dimensions of that carton?



8. **OPEN-ENDED QUESTION:** In an isosceles triangle, one of the angles was 13.5° . What **MAY** the other two angles have been? Give 2 possible answers. Remember, you **CAN** use fractions!

Isosceles.

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EXT -- Worded Maths Worksheet

Australian Primary School levels

Zodiac signs are based on the mythology of ancient Greeks. Some of these constellations have commonalities with the oldest living cultures around the world.



6

Use the website to compare an Indigenous interpretation of the zodiac constellations and Greek mythology. Illustrate the constellation, then compare the two stories.



Hunters and Sisters

Constellation

In Greek mythology this constellation is called Orion. Orion is a boastful warrior who was killed by a great scorpion.

He is chasing 7 sisters and protecting himself from a bull.

Greek mythology

In Wiradjuri culture, the constellation is called Baiame.

He trips and falls over the horizon which is why he is upside down.

In the Aboriginal traditions of the Great Victoria Desert, the hunter is called Nyeeruna and is also chasing sisters called the Yugarilya sisters.

Aboriginal tradition



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Kindred skies: ancient Greeks and Aboriginal Australians saw constellations in common

April 10, 2017 9.54am AEST

Yurri and Wanjel - the Gemini stars Castor and Pollux in the Wergaia traditions of western Victoria, Australia. Stellarium/John Morieson and Alex Cherney, CC BY-SA

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Look up on any clear night and you can see myriad stars, planets, and the Milky Way stretching across the sky. The chances are that you know some of the constellations.

The International Astronomical Union recognises 88 constellations, ranging from the giant water-serpent Hydra to tiny Crux (the Southern Cross).

These are largely based on the mythology of the ancient Greeks. But they share remarkable similarities with the constellations of the oldest living cultures on the planet.

Hunters and sisters

One of the most easily recognisable constellations is Orion. In Greek

Author



Duane W. Hamacher
Senior ARC Discovery Early Career Research Fellow, Monash University

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Partners



Monash University provides funding as a founding partner of The Conversation AU.

mythology, the boastful hunter was killed by a giant scorpion.

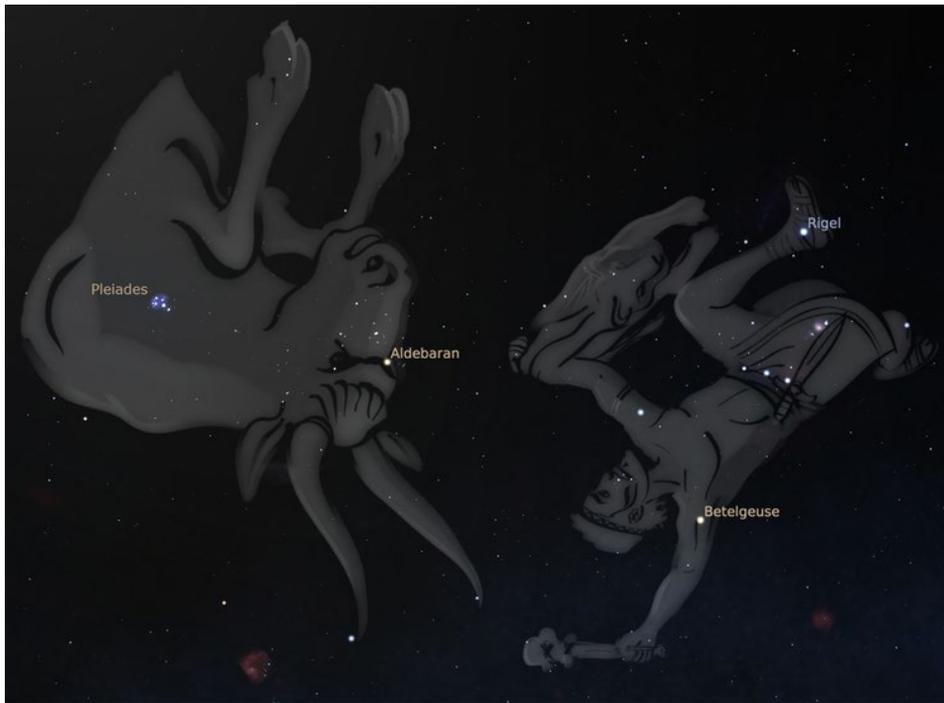
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Orion dominates the evening skies during summer in the Southern Hemisphere and appears upside-down to us in Australia. Stellarium

Orion is constantly pursuing the seven sisters of the Pleiades. In the sky, Orion is defending himself from the charging bull Taurus, represented by the V-shaped Hyades star cluster. The Hyades are daughters of Atlas and sisters of the Pleiades.



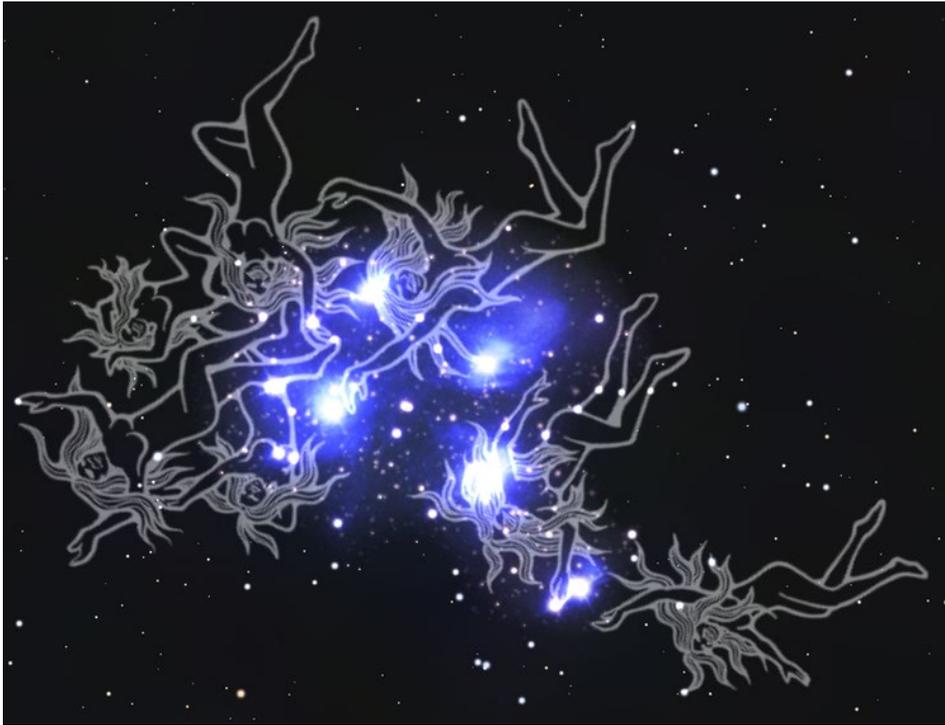
Orion (right) fights Taurus the bull (middle) while pursuing the seven sisters of the Pleiades (left), as seen from Australia. Stellarium

In Wiradjuri Aboriginal traditions of central New South Wales, Baiame is the creation ancestor, seen in the sky as Orion - nearly identical in shape to his Greek counterpart. Baiame trips and falls over the horizon as the constellation sets, which is why he appears upside down.



The stars of Orion also form a man, Baiame, In Wiradjuri traditions. Stellarium, Wiradjuri artist Scott 'Sauce' Towney

The Pleiades are called Mulayndynang in Wiradjuri, representing seven sisters being pursued by the stars of Orion.



The Pleiades are seven sisters in Wiradjuri traditions, called Mulaɲndynang. Stellarium, Wiradjuri artist Scott 'Sauce' Towney

In Aboriginal traditions of the Great Victoria Desert, Orion is also a hunter, Nyeeruna. He is pursuing the Yugarilya sisters of the Pleiades but is prevented from reaching them by their eldest sister, Kambugudha (the Hyades).

Scorpions and canoes

In Greek mythology, the scorpion that killed Orion sits opposite the hunter in the night sky as the constellation Scorpius. They were placed on opposite sides of the sky by the gods to keep them away from one other.



The Greek constellation of Scorpius as seen from Australia, which dominates the winter skies of the Southern Hemisphere. Stellarium

A comparable relationship can be found in the traditions of the Torres

Strait Islanders. The culture hero, Tagai, killed his 12-man fishing crew (Zugubals) in a rage for breaking traditional law, before they all ascended into the sky.

Tagai is standing on his canoe, formed by the stars of Scorpius. The Zugubals are represented by two groups of six stars: the belt/scabbard stars of Orion (Seg) and the Pleiades (Usiam). Tagai placed the Zugubals on the opposite side of the sky to keep them far away from him.



The constellation Tagai. The curve of stars towards the bottom left are the stars of Scorpius. Wikimedia/Osiris, CC BY-SA

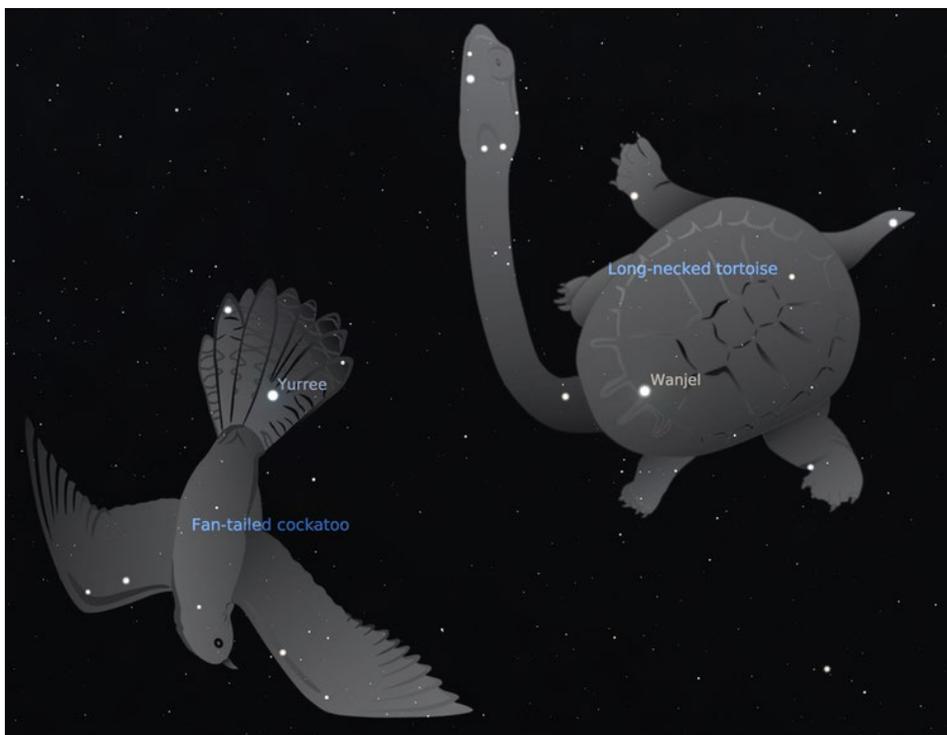
The twins

Another famous constellation is Gemini, the twins, denoted by the bright stars Castor and Pollux.



Gemini's two bright stars Castor and Pollux, as seen from Australia. Stellarium

Many Aboriginal groups also view these stars as brothers. In the Wergaia traditions of western Victoria, they are the brothers Yuree and Wanjel, hunters who pursue and kill the kangaroo Purra.



In Wergaia traditions the brothers take the form of animals: Yuree (Castor), the fan-tailed cuckoo, and Wanjel (Pollux), the

long-necked tortoise. Stellarium, John Morieson and Alex Cherney

In eastern Tasmania, the constellation Gemini represents two ancestor men who created fire, walking on the road of the Milky Way – similar in orientation to the Greek constellation.

Bird flying high

Bordering the zodiac near Sagittarius lies the constellation Aquila, the eagle. In Greek mythology, Aquila carried the thunderbolts of Zeus.



Aquila, the eagle, in Greek mythology. Stellarium

In Wiradjuri traditions, Aquila is Maliyan, the Wedge-tailed Eagle. In some Greek and Wiradjuri traditions, the star Altair is the eagle's eye - despite being seen in different orientations.



Maliyan, the Wedge-tailed Eagle in Wiradjuri traditions. Stellarium, Wiradjuri artist Scott 'Sauce' Towney

Even Indigenous constellations around the world have noteworthy similarities.

The Emu in the Sky, seen by Aboriginal groups across Australia, is composed of the dark spaces in the Milky Way.



Gugurmin - the emu in the Wiradjuri night sky. Wiradjuri artist Scott 'Sauce' Towney.

The rising of the celestial emu at dusk informs observers about the bird’s breeding behaviour. Across the Pacific, the Indigenous Tupi people of Brazil see the same shape as a rhea, a large, flightless bird that is native to South America and related to the emu.

The rhea’s behaviour is nearly identical to that of the emu and the Tupi and Aboriginal traditions are remarkably similar.

Why the similar stories?

We’ve learned a bit about Aboriginal and Torres Strait Islander views of the stars.

What we don’t yet know is why different cultures have such similar views about constellations. Does it relate to particular ways we humans perceive the world around us? Is it due to our similar origins? Or is it something else?

The quest for answers continues.

The author would like to acknowledge and pay respect to Wiradjuri, Meriam Mir, Wergaia, and Aboriginal Tasmanian artists and elders for sharing their knowledge of the stars.



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- [night skies](#)
- [Constellations](#)

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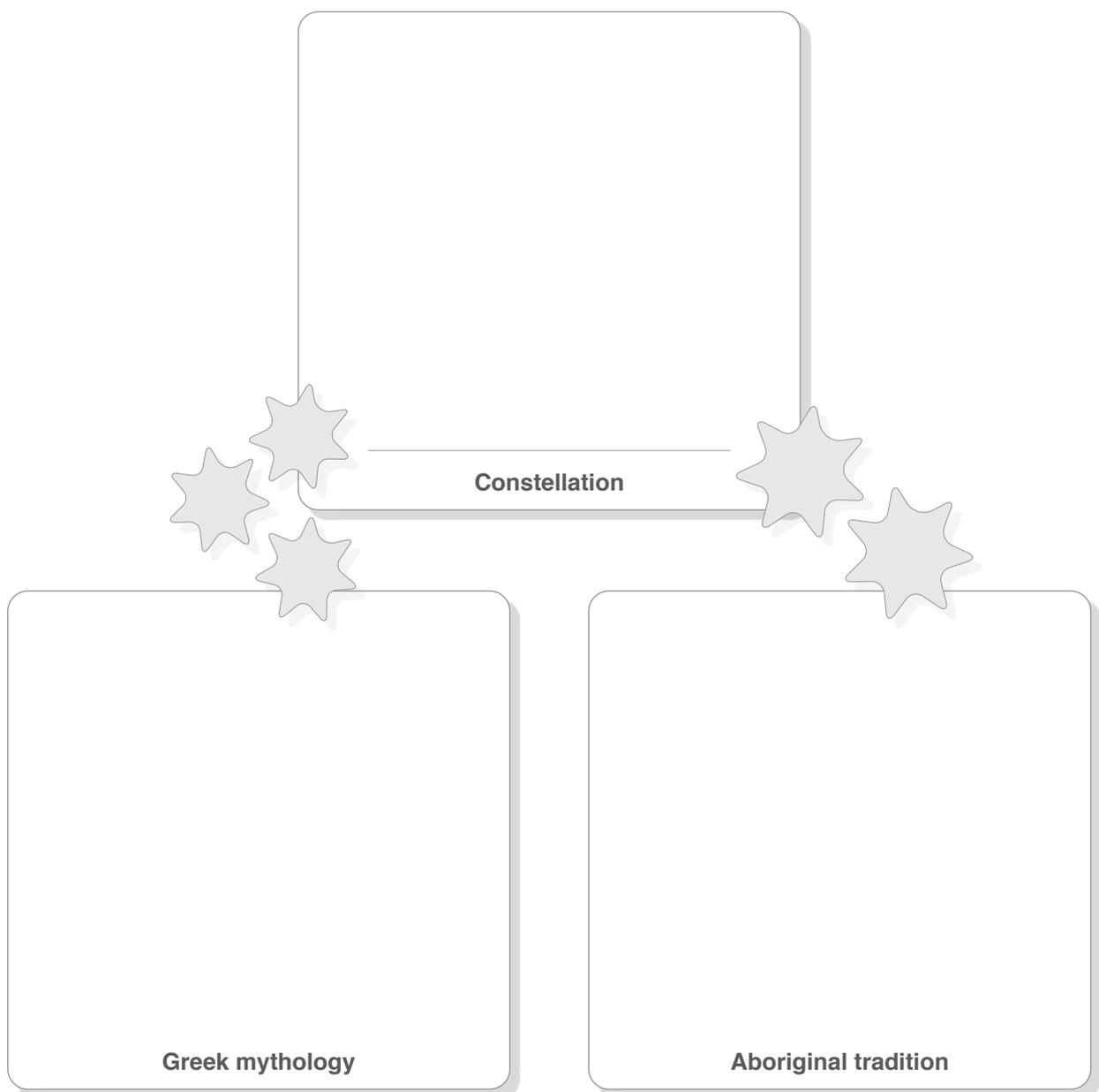
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Zodiac signs are based on the mythology of ancient Greeks. Some of these constellations have commonalities with the oldest living cultures around the world.

**6**

Use the website to compare an Indigenous interpretation of the zodiac constellations and Greek mythology. Illustrate the constellation, then compare the two stories.



TUESDAY

FORMATION OF THE EARTH

The origin of our home planet, Earth, is linked to the emergence of the sun. About 5 billion years ago, a nebula of gas and dust floating in space began to coalesce, contract and spin, forming a disc in the middle. It became so dense that it led to the creation of a star, our sun. The remaining disc of dust and gas kept revolving around the newly formed star.

These specks of dust were pulled towards each other as a result of their own gravity. The specks of dust grew bigger and became small rocks. Small rocks combined to make bigger rocks and so it went for another 500 million years.

4.5 billion years ago, Earth became the size and shape that we know today but it was a very different place. It was a boiling ball of molten rock. The temperature on this lava-like surface would have been about 1000°C. There was no air and only traces of water in the form of steam.

For the next 700 million years, Earth was hit with a bombardment of debris from the solar system. During this time, another planet about the size of Mars collided with the newly formed Earth. The collision sent dust and debris into space which, over the next 1000 years, settled to form a ring that orbited Earth. 100 million years later, this debris coalesced to form a large ball of rock that we now call the moon.

This bombardment also provided the new planet with different chemicals and minerals. The meteoroids and asteroids were made of different materials and also carried very small particles of something that would be a key feature of the future planet: water. Over hundreds of millions of years, these minerals and water particles accumulated to a point where liquid water became present on the surface.

The Earth's surface began to cool which allowed a crust to form. Gases also started to accumulate and an atmosphere began to develop. 3.8 billion years ago, the bombardment of the planet eased and Earth began to look something like we know today. Oceans of water were present, with volcanic islands scattered across them.

It would be another 2 billion years before large land masses and breathable air appeared and complex organisms were living in the oceans. The first humans didn't arrive for another 1.6 billion years after that.

It seems remarkable that this planet we know today, the planet we call home, came into existence as a result of some specks of dust floating in space.



Name _____

Date _____

Formation of Earth

1. What celestial body had to be formed first before Earth could come into existence?

2. How long did it take for Earth to become roughly the size and shape it is today?

3. Research the definitions for the words below. Write the definition beside the word.

a) nebula _____

b) debris _____

c) bombardment _____

4. Create a five step summary for the formation of Earth.

i) _____

ii) _____

iii) _____

iv) _____

v) _____

Answers

1. What celestial body had to be formed first before Earth could come into existence?

The sun had to be formed first to enable Earth to come into existence.

2. How long did it take for Earth to become roughly the size and shape it is today?

It took about 500 million years for Earth to become a size and shape similar to what it is today.

3. Research the definitions for the words below. Write the definition beside the word.

a) nebula - **a giant cloud of dust and gas in space**

b) debris - **scattered remains and broken pieces**

c) bombardment - **a continuous flow of objects that can cause damage**

4. Create a five step summary for the formation of Earth.

Teacher note: Some variation can be allowed with the responses but the first step must be the formation of the sun/solar system.

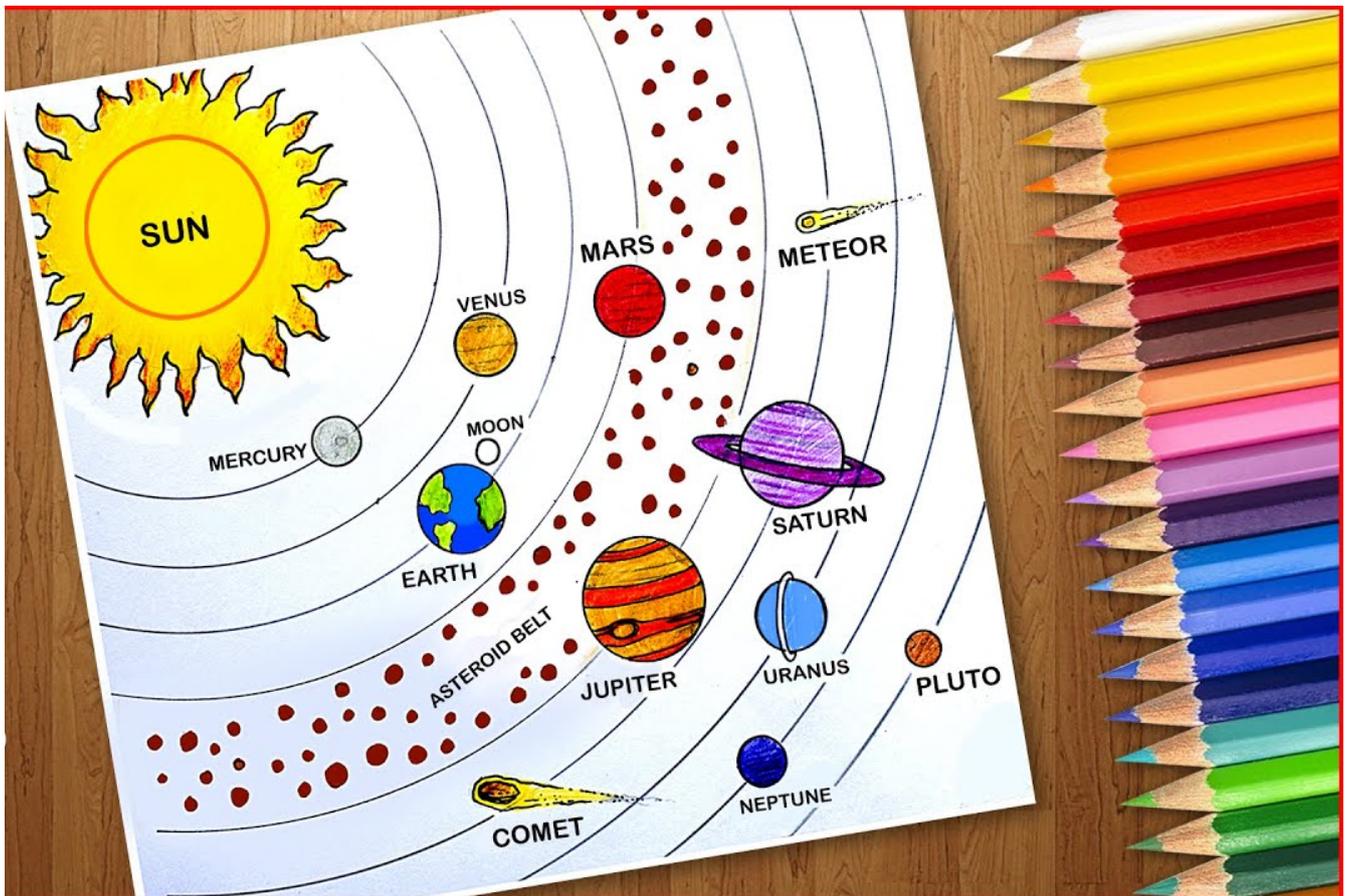
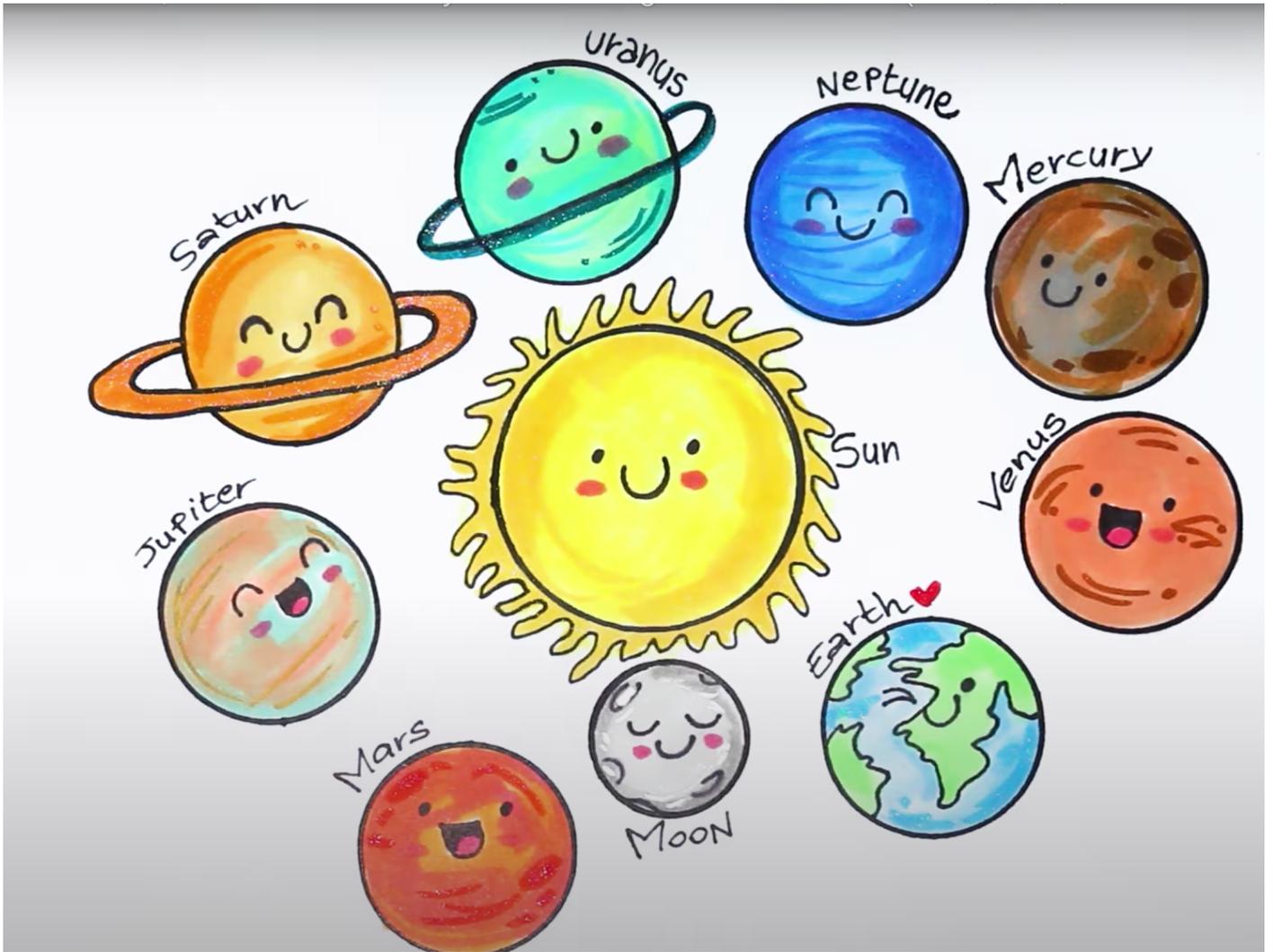
i) **The sun ignites and the solar system is formed.**

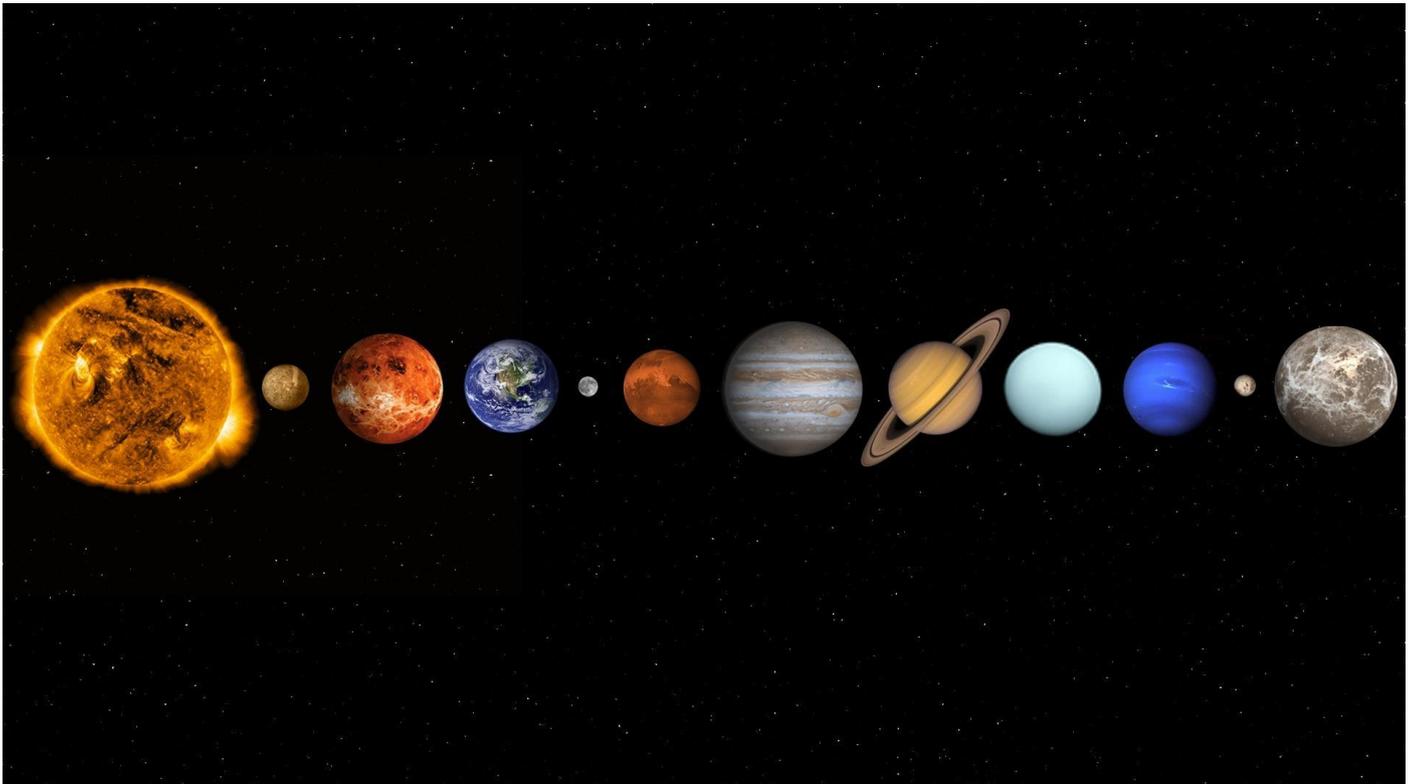
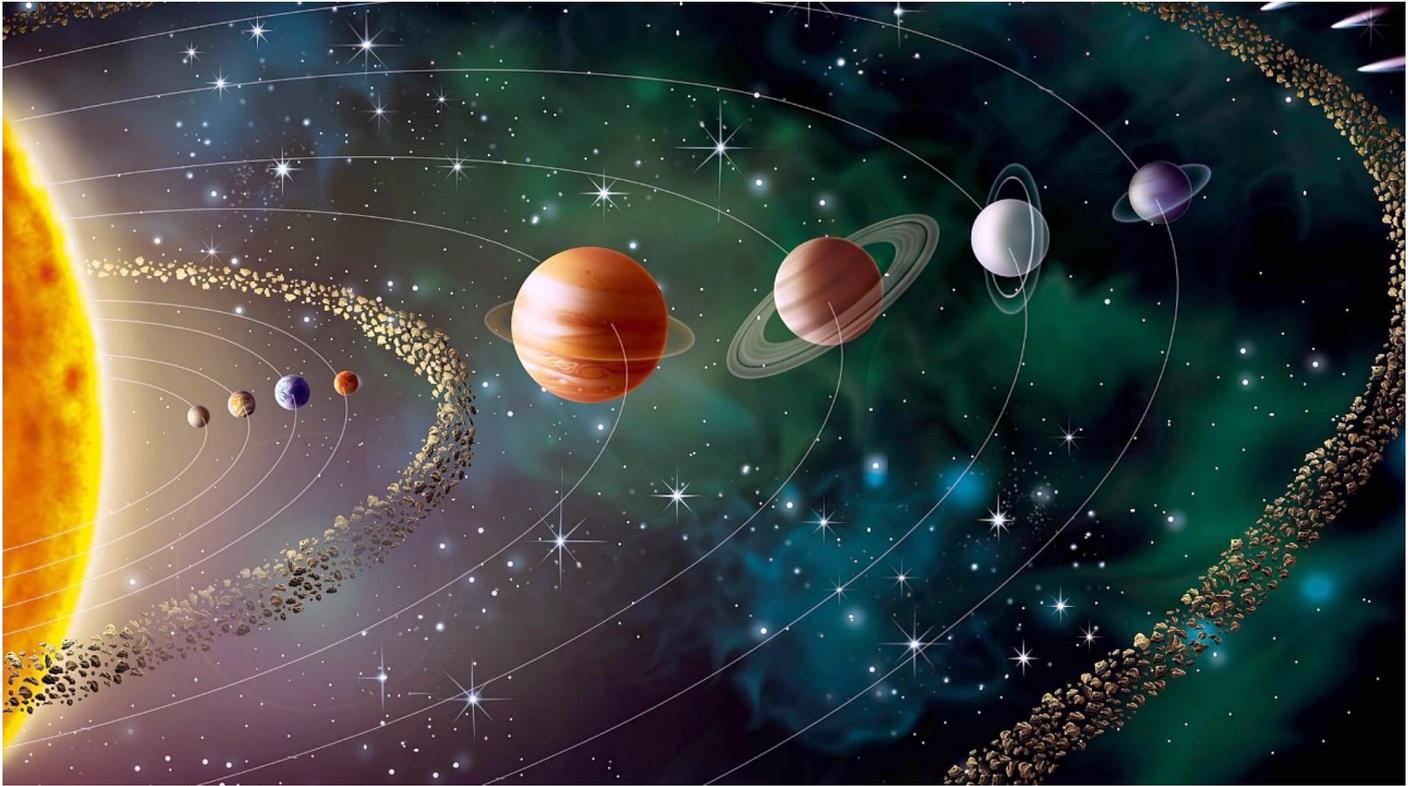
ii) **Specks of dust began to collide and form bigger rocks, eventually forming Earth.**

iii) **The planet is bombarded with debris, including a small planet, whose remains became the moon.**

iv) **Meteoroids and asteroids brought new chemicals and water to the planet.**

v) **The surface began to cool, forming a crust, then leading to an atmosphere and large bodies of water.**





Maths Tuesday - Create your own board game

Part 1

This week you will be creating your own board game to play with your family. You can be as inventive as you like, but make sure you include everything in the success criteria.

Important note:

This Thursday your class will be having a special Zoom session to showcase your board game. Your class teacher will send the Zoom information later this week. Make sure you have your board game ready.

Bobby's Board Games - Math Design Pitch

My name is Bobby Board, and I am the Managing Director of board game manufacturer, Bobby's Board Games. I am hiring you to design and make a maths board game. In my time as a board game manufacturer I have noticed that, at times, children can find certain maths concepts difficult.

Sometimes they need some extra help through the use of a board game. Your job is to identify a maths concept for students your own age or younger, and make a board game to help them understand this concept.

I don't like when my designers submit board games that are really similar to games that are already on the market, so use your imagination and try to think of something original. Remember board games should be fun... I only make and sell games that I think children will not only learn from, but also have lots of fun playing!!

I am looking forward to seeing your board game and using it to help children with their maths skills.

Bobby Board

Bobby Board

Managing Director, Bobby's Board Games

Learning Intention:

Create a board game focusing on a mathematical concept

Success Criteria: I can

- choose a mathematical concept from the following:
 1. addition and subtraction
 2. multiplication and division
 3. 2D and 3D shapes
 4. Chance
- design a game for 2 - 6 players
- design an ORIGINAL game
- write easy to follow instructions and rules for the game
- Your game may include:
 - a game board
 - rules or information on how to play your game
 - any questions or game pieces that are necessary to play your game
 - answer sheets for any questions in your game.

Start planning your board game...

Name of board game:	
Number of players the game can have:	
Mathematical concept:	

Some things to think about...

How are the players going to move around the board?

- dice rolling
- answering questions from cards
- answering questions they land on

What sort of markers will the players have to know where they are up to?

- counters
- mini models (think monopoly)

How does a player win?

- does the board have a finish line?
- Does the player have to collect something? for example: money, counters, cards

Game rules

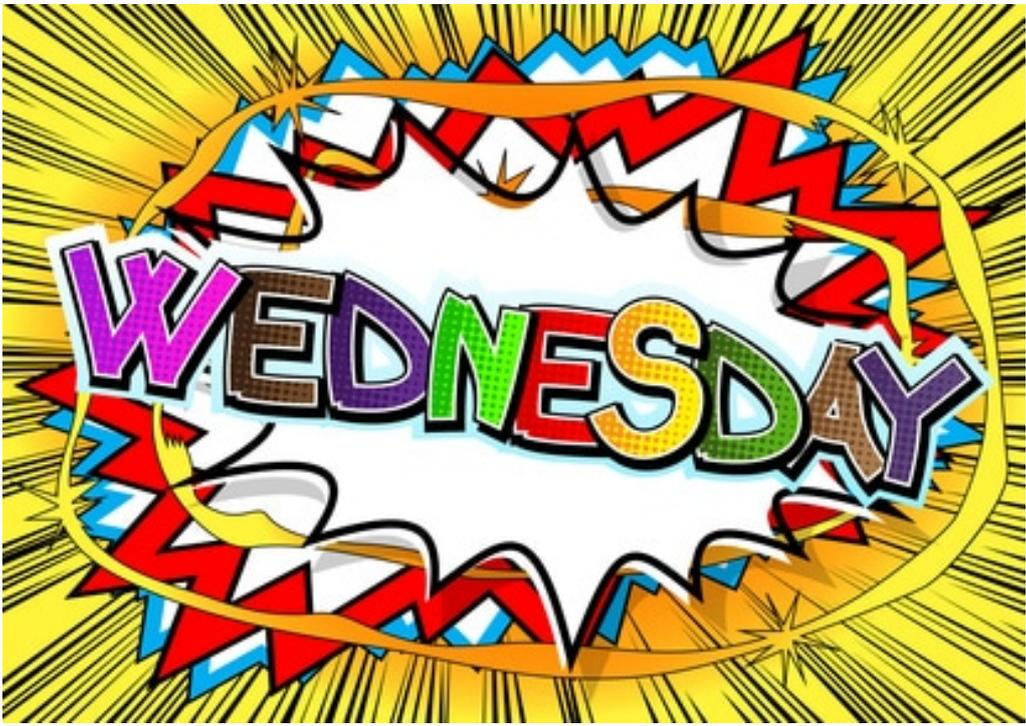
What rules is your game going to have?

Write them below.

REMEMBER: You will need to make or have ALL of the resources for your game.

Start designing what your game board is going to look like below, or digitally.

Start designing any other features your game needs, including cards etc. and make them using spare paper.



8 Colour Code one word part from each column to form List Words.

hu	thuse
con	noe
en	dure
ex	mour
en	cuse
ca	clude

gen	u	rous
us	trib	ity
hu	mmun	iasm
co	thus	ine
dis	mo	ally
en	u	ution

9 Circle the List Words from which these words have been built.

dewy insecure bruised unusually amusement disapproved concluded
 impure unamused canoeist genuinely humorously improvement redistribution

10 Write the List Words from the same word families as these words.

choosy _____ incurable _____ communities _____
 groovy _____ inexcusable _____ enthusiastic _____
 juiciest _____ conclusive _____ distribute _____

11 Write the words in the box under the Latin root words and meanings from which they have developed. Use your dictionary to help.

lunar fugitive unity insular luminous refugee illuminate peninsular lunatic unite

fugio
means **flee**

insular
means **an island**

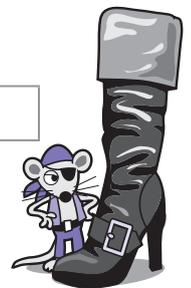
lumen
means **a light**

luna
means **moon**

unus
means **one**

Challenge

Write List Words to fit in the word shapes. **Write** the letters from the numbered boxes below to get the answer to the riddle.



Why was the steam train, Chew Choo, confused?

11 3 2 5 4 13 3 4 9 8 10 2 7 10 3 7 10 8 11 3 7 5 1
 3 15 4 3 10 5 6 14 9 12 12 4 15 8 14 9 12 12 4 3 10 5 6



7 **Complete** the sentences containing comparisons, using the words in the brackets.

➤ Go to Helpful Hint **10**.

My nephew sent me some of the _____ souvenirs I have ever seen. (groovy)
 The security arrangements for the rock band were _____ on Tuesday, even _____
 on Wednesday and the _____ of all today. (bad, worse, worst)
 Small cars are often _____ for parking than larger ones. (manoeuvrable)
 We thought the European comedian's jokes were the _____ of all. (humorous)

8 **Circle** the correctly spelled words in each pair.

➤ Go to Helpful Hints **2a** and **2b**.

uniquely reusable maturity improvment continuation manoeuvrable insecurity
 uniquely reuseable matureity improvement continueation manoeuvreable insecurityity

9 **Write** words from the box to finish the sentences.

annual [adj] occurs once a year
biannual [adj] occurs twice in one year
biennial [adj] occurs every two years
continuous [adj] goes on without a break
continual [adj] goes on with some breaks
 The prefix **bi** means **two**.

Birthdays are an _____ event in everyone's lives.
 Onions are _____ plants as they die after two years.
 Our school prints a _____ magazine, in May and October.
 The _____ hammering gave me a _____
 headache that lasted all day and all night.

10 **Connect** the List Words on the left of each group to their synonyms on the right.

neutral • • street	renewable • • ebullient	crucial • • vital
unique • • omit	pollution • • extension	approval • • hassle
avenue • • effect	insecurity • • replaceable	nuisance • • chance
mature • • impartial	manoeuvre • • uncertainty	individual • • blessing
exclude • • developed	enthusiastic • • manipulate	unanimous • • separate
influence • • unmatched	continuation • • contamination	opportunity • • complete

Challenge

Write each word from the boot to fit on the lines beside the word from which it has been built.

rity unique neutral seindividu aliseoppo rtunity polluti ioncruci allyreusable renewableconti nationEuropean mentext rableinfluentialenthusiasminsec yimmaturepprovalimprove	use _____	individual _____
	unique _____	manoeuvre _____
	Europe _____	continue _____
	mature _____	opportune _____
	approve _____	influence _____
	new _____	prove _____
	crucial _____	insecure _____
	exclude _____	neutral _____
	pollute _____	enthuse _____

Maths Wednesday - Create your own board game

Part 2

Important note:

Tomorrow your class will be having a special Zoom session to showcase your board game. Your class teacher will send the Zoom information to you soon.

Make sure you have your board game ready.

Learning Intention:

Create and play a board game focusing on a mathematical concept

Success Criteria: I can

- create the board game using the design I created
- understand and explain the rules to help the players
- play the game with my family

**Today's task is to create your board game and play it with your family,
Have Fun!**

THURSDAY

Changing the environment - 1

Before Europeans arrived, Aboriginal and Torres Strait Island people lived in harmony with the land; although it is believed that hunters did set fires to flush animals out of the bush. These people provided for their future by taking only what they needed, and by not eating every bird egg or all the seeds they found.

On the other hand, the Australian environment wasn't a major concern for Europeans. Those who arrived with the First Fleet had almost died of starvation in the first two years. They had to concentrate on producing food and most of them didn't even think about the consequences of their actions.

Settlers cleared and fenced land for their stock and planted crops. Natural waterholes were fouled by their animals and their hooves broke up soil and destroyed plants. The loose, fertile topsoil was then eroded by wind and water. This was the beginning of the soil erosion problem which now affects about half of the country. Another environmental issue which is threatening many farming properties today is salinity. Extensive clearing of land for crops contributed to this and there is a huge area of the country where the soil is now too salty to grow anything of value.



Forests were also cleared to produce sandalwood, cedar and pine. Trading of this wood was the beginning of Australia's timber industry. Since then, farming and forestry have resulted in the loss of 40% of the country's forests, 75% of its rainforests and 90% of its temperate woodlands.

Goldmining had a terrible effect on the environment. Over 600 000 people came to Australia between 1851 and 1860 to search for gold and they caused rapid change. Mining disrupted and destroyed ecosystems, putting pressure on the fauna and flora. Miners upturned the land, took what they wanted and moved on to do it again and again. They cut down trees and used the wood to construct buildings and mines, and as firewood. They also used and destroyed precious water supplies. The changing environment wasn't a concern for them. One of the few who was even aware of what was happening was William Howitt. He wrote '... we diggers are horribly destructive of the picturesque', but nobody took any notice of him.

Probably even more devastating than the Europeans themselves were some of the things they brought with them. These included animals, plants and seeds, as well as rats that 'jumped ship' when they landed and killed many native birds. Some of the plants, like blackberries and prickly pear, grew too well and became noxious weeds in Australia. The domestic animals that caused the most trouble were the ones that 'got away' from farms or were released and thrived in the bush. These included rabbits, goats and pigs. Feral animals also spread diseases.

Europeans wanting to live in a more familiar environment introduced animals they missed, like blackbirds, which destroyed fruit and competed with native birds for nesting sites and food. Foxes, introduced for the sport of hunting, have caused terrible problems for sheep farmers and have destroyed many native animals.

The Australian environment continues to suffer from the exploitation, lack of knowledge, understanding and concern of pioneers and those who followed them.

Changing the environment - 2

1. Why was food production such an important issue for Australia's early settlers?

(a) What is soil erosion?

(b) What are some of the causes of soil erosion?

(c) What could have been done to stop it happening?

3. (a) Why were creeks and waterholes so important in many parts of Australia?

(b) Explain how they were damaged after Europeans settled in Australia.

(c) What problems did this cause?

4. (a) Why did Aboriginal people set fire to the bush?

(b) Research to find out what effect this had on the country they burnt.

5. (a) What are some of the reasons why Europeans cleared land in the 1800s?



It is amazing to consider the environmental damage eventually caused by domestic animals when only 19 goats, 44 sheep, 4 cows, 6 horses, 5 rabbits, 32 pigs and 87 chickens arrived with the First Fleet. The number of rats arriving was not recorded!

Changing the environment - 3

1. There were many plants and animals introduced to Australia. Research to provide information about some of them to record in the chart below.

Species	Why introduced?	Problems caused	Control measures	Effectiveness
Rabbits				
Prickly pear				
Goats				
Camels				

CONVICT AND COLONIAL LIFE

2. Write a letter to someone who played a part in the introduction of one of the above species. Explain the results of their action and your feelings about it.



A famous Australian historian, Geoffrey Blainey, commenting on the harm settlers did to the environment and trying to explain why they did it said, 'We might call it devastation, they called it pioneering'.

Name: _____

Date: _____

Mixed Multiplication Facts

1) $7 \times 12 =$	21) $1 \times 4 =$	41) $7 \times 9 =$	61) $6 \times 5 =$
2) $2 \times 3 =$	22) $4 \times 5 =$	42) $8 \times 2 =$	62) $3 \times 12 =$
3) $9 \times 11 =$	23) $6 \times 9 =$	43) $5 \times 2 =$	63) $10 \times 7 =$
4) $7 \times 4 =$	24) $11 \times 2 =$	44) $3 \times 4 =$	64) $4 \times 6 =$
5) $3 \times 5 =$	25) $3 \times 7 =$	45) $6 \times 12 =$	65) $8 \times 3 =$
6) $1 \times 9 =$	26) $8 \times 8 =$	46) $11 \times 11 =$	66) $6 \times 6 =$
7) $11 \times 7 =$	27) $9 \times 5 =$	47) $12 \times 12 =$	67) $3 \times 9 =$
8) $2 \times 8 =$	28) $3 \times 11 =$	48) $2 \times 10 =$	68) $12 \times 11 =$
9) $8 \times 10 =$	29) $12 \times 10 =$	49) $6 \times 8 =$	69) $7 \times 9 =$
10) $10 \times 5 =$	30) $7 \times 7 =$	50) $7 \times 5 =$	70) $3 \times 10 =$
11) $6 \times 12 =$	31) $5 \times 6 =$	51) $1 \times 10 =$	71) $1 \times 3 =$
12) $3 \times 4 =$	32) $3 \times 8 =$	52) $12 \times 4 =$	72) $9 \times 6 =$
13) $4 \times 11 =$	33) $4 \times 4 =$	53) $5 \times 9 =$	73) $3 \times 9 =$
14) $12 \times 8 =$	34) $12 \times 5 =$	54) $3 \times 10 =$	74) $12 \times 6 =$
15) $2 \times 6 =$	35) $3 \times 6 =$	55) $8 \times 7 =$	75) $1 \times 1 =$
16) $7 \times 6 =$	36) $9 \times 12 =$	56) $4 \times 3 =$	76) $8 \times 4 =$
17) $5 \times 11 =$	37) $5 \times 5 =$	57) $5 \times 7 =$	77) $2 \times 6 =$
18) $3 \times 12 =$	38) $9 \times 10 =$	58) $10 \times 12 =$	78) $5 \times 9 =$
19) $10 \times 4 =$	39) $3 \times 3 =$	59) $11 \times 11 =$	79) $2 \times 3 =$
20) $10 \times 11 =$	40) $2 \times 12 =$	60) $7 \times 3 =$	80) $9 \times 1 =$

Time: Score: / 80



Name: _____

Date: _____

Mixed Multiplication and Division Facts

1) $45 \div 5 =$	21) $144 \div 12 =$	41) $25 \div 5 =$	61) $27 \div 3 =$
2) $12 \times 3 =$	22) $2 \times 2 =$	42) $36 \div 9 =$	62) $4 \times 9 =$
3) $99 \div 11 =$	23) $28 \div 7 =$	43) $32 \div 8 =$	63) $8 \times 8 =$
4) $48 \div 6 =$	24) $32 \div 8 =$	44) $48 \div 4 =$	64) $55 \div 5 =$
5) $3 \times 7 =$	25) $9 \times 6 =$	45) $3 \times 12 =$	65) $3 \times 3 =$
6) $4 \times 6 =$	26) $2 \times 11 =$	46) $70 \div 7 =$	66) $36 \div 3 =$
7) $8 \times 8 =$	27) $64 \div 8 =$	47) $11 \times 2 =$	67) $6 \times 6 =$
8) $120 \div 12 =$	28) $72 \div 6 =$	48) $8 \times 12 =$	68) $11 \times 12 =$
9) $24 \div 2 =$	29) $5 \times 12 =$	49) $30 \div 6 =$	69) $5 \times 4 =$
10) $4 \times 7 =$	30) $88 \div 8 =$	50) $12 \times 10 =$	70) $32 \div 8 =$
11) $9 \times 5 =$	31) $2 \times 10 =$	51) $18 \div 6 =$	71) $45 \div 5 =$
12) $60 \div 5 =$	32) $5 \times 2 =$	52) $24 \div 4 =$	72) $3 \times 2 =$
13) $81 \div 9 =$	33) $50 \div 5 =$	53) $60 \div 5 =$	73) $9 \times 9 =$
14) $36 \div 3 =$	34) $96 \div 12 =$	54) $56 \div 7 =$	74) $84 \div 7 =$
15) $100 \div 10 =$	35) $10 \times 6 =$	55) $96 \div 12 =$	75) $7 \times 12 =$
16) $6 \times 6 =$	36) $6 \times 9 =$	56) $2 \times 7 =$	76) $72 \div 6 =$
17) $8 \times 11 =$	37) $42 \div 7 =$	57) $84 \div 12 =$	77) $3 \times 9 =$
18) $56 \div 7 =$	38) $6 \times 3 =$	58) $42 \div 6 =$	78) $10 \times 11 =$
19) $12 \div 6 =$	39) $2 \times 7 =$	59) $6 \times 2 =$	79) $6 \times 8 =$
20) $8 \times 5 =$	40) $8 \times 7 =$	60) $7 \times 5 =$	80) $2 \times 2 =$

Time: Score: / 80







Ultimate Dream House Task

Offline Version

“You did it! You won the 10-million-dollar lottery! Your life has changed forever. After holding a huge family party to celebrate your win, you start to make a list of all the things you want to spend your money on. At the top of the list is ‘Build my Dream House’ In this task you will be designing, building, and presenting your dream house.”

<p>Task 1</p> <p>Inspiration and design</p>	<p>On some paper start to list the things you would love in your dream house. Is it single storey or does it have multiple levels? What do you want to build your house from? What colour would it be? What style? Is it a sustainable house? Is it a technologically advanced house? What makes it so special? Why is it your dream house? Create a sketch of your ideas.</p>
<p>Task 2</p> <p>Build and present</p>	<p>You can present this new ultimate dream house in any way you choose but here are some ideas:</p> <p>Materials at home: You could build your house from materials you have at home such as cardboard, paper or found bits and pieces. You could take photographs of your build.</p> <p>Detailed drawings: You might choose to create a set of clear and detailed drawings. If you choose this option, you should draw your house from different viewpoints and have images from inside and outside of the house. Your drawings should not be basic. They should be neat, coloured and have multiple detailed annotations to describe the features of your dream house. You could present this on a large piece of cardboard where all images are together.</p> <p>Minecraft: If you have internet access to Minecraft at home you could use Minecraft to build in just as you friends at school are doing. You could take screen shots of your build and send them to your teacher, or you could use screen recording programs such as ‘Screen Castify’ to record yourself giving us a walk through style tour of your build.</p>

**** PLEASE NOTE ONLINE AND OFFLINE STUDENTS WILL HAVE A PAUSE WEEK FROM THE SPACE VACATION PROJECT. THE SPACE VACATION PROJECT WILL RESUME IN WEEK 1 OF TERM 4. THANK YOU!**



List Words

dew
due
lose
choose
prove
groove
approve
canoe
juicy
pure
cure
secure
endure
excuse
amuse
enthuse
bruise
usually
conclude
distribution
genuine
humour
humorous
enthusiasm
community

- 1 **Colour** the graphemes that represent in the List Words.
- 2 **Turn** to page 84. **Count** the sounds and identify all the graphemes in each List Word.
- 3 **Write** any other letters that can represent on the Grapheme Chart. **Write** one word example for each.
- 4 **Colour** the grapheme, shown at the beginning of each row, in the words in each row if it represents or .

Grapheme Chart

grapheme	word
ew(yoo)	dew
ue(yoo)	due
ui	juicy
o	lose
oe	canoe
u(yoo)	pure
u_e(yoo)	excuse

oo	tooth	loose	woollen	groovy	choosy	blood	floor
ew	fewer	screw	sew	threw	rewire	firewood	bewildered
ue	clue	guest	argue	oblique	fluent	value	continue
ui	juiciest	suitable	liquid	disguise	equipment	bruised	
o	approval	lose	obtuse	improvement	whom	stove	discover
oe	canoe	shoe	poem	potatoes	does	canoeist	toe
u	during	column	incurable	conclusive	endurance	truly	

- 5 **Write** List Words to rhyme.

shoe dew canoe due Lucy juicy
 cruise lose bruise choose include conclude
 confuse enthuse amuse excuse rumour humour
 move prove groove approve contribution distribution
 lure pure cure mature secure endure

- 6 **Write** words from the brackets to finish the sentences.

The dew on the grass had dried by the time our bus was due . (dew, due)
 I have a loose tooth. I don't want to lose it when it falls out. (loose, lose)
 Sue chose an orange juice. Now I will choose a milkshake. (choose, chose)
 Bruce got a huge bruise when he hit his elbow on the edge of the stove where he
 brews his cup of tea each day. (brews, bruise)

- 7 **Colour** the blocks *blue* where you hear a blend of the two sounds . **Colour** the other blocks *red*, to see what shapes are revealed.

dew	choose	due	lose	humour	amuse	drew	excuse	obtuse		
cure	canoeing	pure	shoe	huge	do	fewer	tooth	stew	to	argue
usual	unusual	distribute	threw	humorously	cubic	loose	genuinely	new		
groovy	canoeist	secure	enthuse	enthusiastic	conclusion	conclusive				
juicy	conclude	endure	include	exclusive	enthusiasm	juiciest	cruel			
endurance	inexcusable	prove	approve	approval	improvement	bruise				

8 **Colour Code** one word part from each column to form List Words.

hu	thuse
con	noe
en	dure
ex	mour
en	cuse
ca	clude

humour
conclude
enthuse
excuse
endure
canoe

gen	u	rous
us	trib	ity
hu	mmun	iasm
co	thus	ine
dis	mo	ally
en	u	ution

genuine
usually
humorous
community
distribution
enthusiasm

9 **Circle** the List Words from which these words have been built.

dewy insecure bruised unusually amusement disapproved concluded
 impure unamused canoeist genuinely humorously improvement redistribution

10 **Write** the List Words from the same word families as these words.

choosy choose incurable cure communities community
 groovy groove inexcusable excuse enthusiastic enthusiasm
 juiciest juicy conclusive conclude distribute distribution

11 **Write** the words in the box under the Latin root words and meanings from which they have developed.
 Use your dictionary to help.

lunar fugitive unity insular luminous refugee illuminate peninsular lunatic unite

fugio
means I flee

insular
means an island

lumen
means a light

luna
means moon

unus
means one

fugitive insular luminous lunar unity
refugee peninsular illuminate lunatic unite

Challenge

Write List Words to fit in the word shapes. **Write** the letters from the numbered boxes below to get the answer to the riddle.

d e w e n t h u s i a s m h u m o r o u s
 1 2 3 4 5 6 7 8 9

g e n u i n e c o m m u n i t y p r o v e
 10 11 13 14 15



Why was the steam train, Chew Choo, confused?

l t w a s n t s u r e w h e t h e r i t h a d
 11 3 2 5 4 13 3 4 9 8 10 2 7 10 3 7 10 8 11 3 7 5 1
t o s t e a m p u f f s o r p u f f s t e a m
 3 15 4 3 10 5 6 14 9 12 12 4 15 8 14 9 12 12 4 3 10 5 6

 oo ew ue u_e u boot screw glue flute ruler

List Words

exclude
 avenue
 nephew
 annually
 unique
 mature
 approval
 pollution
 Europe
 improvement
 reusable
 individual
 renewable
 neutral
 insecurity
 influence
 crucial
 nuisance
 souvenir
 opportunity
 continuation
 enthusastic
 eucalyptus
 manoeuvre
 unanimous

- 1 **Colour** the graphemes that represent  oo ew ue u_e u in the List Words.
- 2 **Turn** to page 84. **Count** the sounds and identify all the graphemes in each List Word.
- 3 **Write** any other letters that can represent  oo ew ue u_e u on the Grapheme Chart. **Write** one word example for each.
- 4 **Colour** the grapheme shown at the start of each row where it represents  oo ew ue u_e u in the words. **Add** a List Word with the same grapheme to fit on the lines.

 **Grapheme Chart**

grapheme	word
o	approval
eu _(yoo)	Europe
ui _(yoo)	nuisance
ou	souvenir
oeu	manoeuvre

ew	jewellery	screwed	bewilder	rewired	<u>r</u> <u>e</u> <u>n</u> <u>e</u> <u>w</u> <u>a</u> <u>b</u> <u>l</u> <u>e</u>
ue	barbecue	guess	continue	antique	<u>a</u> <u>v</u> <u>e</u> <u>n</u> <u>u</u> <u>e</u>
ui	distinguish	suitable	biscuit	fruity	<u>n</u> <u>u</u> <u>i</u> <u>s</u> <u>a</u> <u>n</u> <u>c</u> <u>e</u>
u_(oo)	ambush	occurred	exclusive	solution	<u>p</u> <u>o</u> <u>l</u> <u>l</u> <u>u</u> <u>t</u> <u>i</u> <u>o</u> <u>n</u>
u_(yoo)	biannual	polluted	burial	security	<u>u</u> <u>n</u> <u>a</u> <u>n</u> <u>i</u> <u>m</u> <u>o</u> <u>u</u> <u>s</u>
eu	neutralised	European	museum	amateur	<u>e</u> <u>u</u> <u>c</u> <u>a</u> <u>l</u> <u>y</u> <u>p</u> <u>t</u> <u>u</u> <u>s</u>
ou	account	souvlaki	trouble	souffle	<u>s</u> <u>o</u> <u>u</u> <u>v</u> <u>e</u> <u>n</u> <u>i</u> <u>r</u>
oeu	manoeuvrable	boeuf (beef)	coeur (heart)		<u>m</u> <u>a</u> <u>n</u> <u>o</u> <u>e</u> <u>u</u> <u>v</u> <u>r</u> <u>e</u>

- 5 **Colour** the rectangles containing words where you hear the blend of two sounds, yoo.

Europe	improve	influence	neutralise	canoeist	ruined
exclude	reusable	crucial	unanimous	tissue	nuisance
unique	souvenir	insecurity	manoeuvre	neutral	excluded
approval	continually	enthusiasm	European	pollution	nephew
annual	supervise	truthfully	continuation	bruised	exclusion
renewable	souvlaki	eucalyptus	souffle	avenue	mature

- 6 **Rewrite** these List Words adding the missing graphemes for  oo ew ue u_e u.

matre	<u> </u> mature <u> </u>	nsance	<u> </u> nuisance <u> </u>	opportnity	<u> </u> opportunity <u> </u>
ntral	<u> </u> neutral <u> </u>	apprval	<u> </u> approval <u> </u>	polltion	<u> </u> pollution <u> </u>
aven	<u> </u> avenue <u> </u>	renable	<u> </u> renewable <u> </u>	nanimous	<u> </u> unanimous <u> </u>
neph	<u> </u> nephew <u> </u>	crucial	<u> </u> crucial <u> </u>	calyptus	<u> </u> eucalyptus <u> </u>
rope	<u> </u> Europe <u> </u>	svenir	<u> </u> souvenir <u> </u>	individal	<u> </u> individual <u> </u>
excld	<u> </u> exclude <u> </u>	resable	<u> </u> reusable <u> </u>	imprvement	<u> </u> improvement <u> </u>



Matharoo ANSWER SHEET

for Matharoo 28 21 sheets for week beginning 6th September, 2021

ANSWERS – Matharoo **Lower-Primary** Worksheet LP 28 21

1. 3,000
2. 9 birds
3. 3 ducklings
4. Tuesday
5. 60 grams
6. Twenty-eight
7. 28 metres
8. Various answers

XX

ANSWERS – Matharoo **Mid-Primary** Worded Worksheet MP 28 21

1. 1,500 people 30 or older
2. \$35,000
3. 5 kilometres
4. 1921
5. 2 vehicles
6. 31 chips
7. 606 books
8. 3,600 MORE reports
9. Various answers

XX

ANSWERS – Matharoo **Upper-Primary** Worded Worksheet UP 28 21

1. 2 minutes 32.4 seconds
2. $20/24 = 5/6$
3. 900,000
4. \$405,000
5. $376/606 = 188/303$
6. Various graphs
7. Difference = 1,023 km; Common factors are 3, 11, 33
8. 40 pairs left
9. Various answers

XX

ANSWERS – Matharoo **Extension** Worded Worksheet EW 28 21

1. Multiple of 5; 400% more than the original
2. \$2.96 more
3. $14/20 = 7/10$
4. 9 pages
5. 3 kilometres per day
6. 1 or 2 Maltese
7. Various answers
8. 153° and 13.5° ; or 83.25° and 83.25°

Mixed Multiplication - Answers

1) $7 \times 12 = \mathbf{84}$	21) $1 \times 4 = \mathbf{4}$	41) $7 \times 9 = \mathbf{63}$	61) $6 \times 5 = \mathbf{30}$
2) $2 \times 3 = \mathbf{6}$	22) $4 \times 5 = \mathbf{20}$	42) $8 \times 2 = \mathbf{16}$	62) $3 \times 12 = \mathbf{36}$
3) $9 \times 11 = \mathbf{99}$	23) $6 \times 9 = \mathbf{54}$	43) $5 \times 2 = \mathbf{10}$	63) $10 \times 7 = \mathbf{70}$
4) $7 \times 4 = \mathbf{28}$	24) $11 \times 2 = \mathbf{22}$	44) $3 \times 4 = \mathbf{12}$	64) $4 \times 6 = \mathbf{24}$
5) $3 \times 5 = \mathbf{15}$	25) $3 \times 7 = \mathbf{21}$	45) $6 \times 12 = \mathbf{72}$	65) $8 \times 3 = \mathbf{24}$
6) $1 \times 9 = \mathbf{9}$	26) $8 \times 8 = \mathbf{64}$	46) $11 \times 11 = \mathbf{121}$	66) $6 \times 6 = \mathbf{36}$
7) $11 \times 7 = \mathbf{77}$	27) $9 \times 5 = \mathbf{45}$	47) $12 \times 12 = \mathbf{144}$	67) $3 \times 9 = \mathbf{27}$
8) $2 \times 8 = \mathbf{16}$	28) $3 \times 11 = \mathbf{33}$	48) $2 \times 10 = \mathbf{20}$	68) $12 \times 11 = \mathbf{132}$
9) $8 \times 10 = \mathbf{80}$	29) $12 \times 10 = \mathbf{120}$	49) $6 \times 8 = \mathbf{48}$	69) $7 \times 9 = \mathbf{63}$
10) $10 \times 5 = \mathbf{50}$	30) $7 \times 7 = \mathbf{49}$	50) $7 \times 5 = \mathbf{35}$	70) $3 \times 10 = \mathbf{30}$
11) $6 \times 12 = \mathbf{72}$	31) $5 \times 6 = \mathbf{30}$	51) $1 \times 10 = \mathbf{10}$	71) $1 \times 3 = \mathbf{3}$
12) $3 \times 4 = \mathbf{12}$	32) $3 \times 8 = \mathbf{24}$	52) $12 \times 4 = \mathbf{48}$	72) $9 \times 6 = \mathbf{54}$
13) $4 \times 11 = \mathbf{44}$	33) $4 \times 4 = \mathbf{16}$	53) $5 \times 9 = \mathbf{45}$	73) $3 \times 9 = \mathbf{27}$
14) $12 \times 8 = \mathbf{96}$	34) $12 \times 5 = \mathbf{60}$	54) $3 \times 10 = \mathbf{30}$	74) $12 \times 6 = \mathbf{72}$
15) $2 \times 6 = \mathbf{12}$	35) $3 \times 6 = \mathbf{18}$	55) $8 \times 7 = \mathbf{56}$	75) $1 \times 1 = \mathbf{1}$
16) $7 \times 6 = \mathbf{42}$	36) $9 \times 12 = \mathbf{108}$	56) $4 \times 3 = \mathbf{12}$	76) $8 \times 4 = \mathbf{32}$
17) $5 \times 11 = \mathbf{55}$	37) $5 \times 5 = \mathbf{25}$	57) $5 \times 7 = \mathbf{35}$	77) $2 \times 6 = \mathbf{12}$
18) $3 \times 12 = \mathbf{36}$	38) $9 \times 10 = \mathbf{90}$	58) $10 \times 12 = \mathbf{120}$	78) $5 \times 9 = \mathbf{45}$
19) $10 \times 4 = \mathbf{40}$	39) $3 \times 3 = \mathbf{9}$	59) $11 \times 11 = \mathbf{121}$	79) $2 \times 3 = \mathbf{6}$
20) $10 \times 11 = \mathbf{110}$	40) $2 \times 12 = \mathbf{24}$	60) $7 \times 3 = \mathbf{21}$	80) $9 \times 1 = \mathbf{9}$

Mixed Multiplication and Division - Answers

1) $45 \div 5 = 9$	21) $144 \div 12 = 12$	41) $25 \div 5 = 5$	61) $27 \div 3 = 9$
2) $12 \times 3 = 36$	22) $2 \times 2 = 4$	42) $36 \div 9 = 4$	62) $4 \times 9 = 36$
3) $99 \div 11 = 9$	23) $28 \div 7 = 4$	43) $32 \div 8 = 4$	63) $8 \times 8 = 64$
4) $48 \div 6 = 8$	24) $32 \div 8 = 4$	44) $48 \div 4 = 12$	64) $55 \div 5 = 11$
5) $3 \times 7 = 21$	25) $9 \times 6 = 54$	45) $3 \times 12 = 36$	65) $3 \times 3 = 9$
6) $4 \times 6 = 24$	26) $2 \times 11 = 22$	46) $70 \div 7 = 10$	66) $36 \div 3 = 12$
7) $8 \times 8 = 64$	27) $64 \div 8 = 8$	47) $11 \times 2 = 22$	67) $6 \times 6 = 36$
8) $120 \div 12 = 10$	28) $72 \div 6 = 12$	48) $8 \times 12 = 96$	68) $11 \times 12 = 132$
9) $24 \div 2 = 12$	29) $5 \times 12 = 60$	49) $30 \div 6 = 5$	69) $5 \times 4 = 20$
10) $4 \times 7 = 28$	30) $88 \div 8 = 11$	50) $12 \times 10 = 120$	70) $32 \div 8 = 4$
11) $9 \times 5 = 45$	31) $2 \times 10 = 20$	51) $18 \div 6 = 3$	71) $45 \div 5 = 9$
12) $60 \div 5 = 12$	32) $5 \times 2 = 10$	52) $24 \div 4 = 6$	72) $3 \times 2 = 6$
13) $81 \div 9 = 9$	33) $50 \div 5 = 10$	53) $60 \div 5 = 12$	73) $9 \times 9 = 81$
14) $36 \div 3 = 12$	34) $96 \div 12 = 8$	54) $56 \div 7 = 8$	74) $84 \div 7 = 12$
15) $100 \div 10 = 10$	35) $10 \times 6 = 60$	55) $96 \div 12 = 8$	75) $7 \times 12 = 84$
16) $6 \times 6 = 36$	36) $6 \times 9 = 54$	56) $2 \times 7 = 14$	76) $72 \div 6 = 12$
17) $8 \times 11 = 88$	37) $42 \div 7 = 6$	57) $84 \div 12 = 7$	77) $3 \times 9 = 27$
18) $56 \div 7 = 8$	38) $6 \times 3 = 18$	58) $42 \div 6 = 7$	78) $10 \times 11 = 110$
19) $12 \div 6 = 2$	39) $2 \times 7 = 14$	59) $6 \times 2 = 12$	79) $6 \times 8 = 48$
20) $8 \times 5 = 40$	40) $8 \times 7 = 56$	60) $7 \times 5 = 35$	80) $2 \times 2 = 4$

