Erina Heights Public School
Learning from Home - Stage 3

Term	1	2	3	4						
Weeks	1	2	3	4	5	6	7	8	9	10	11

	Monday	Tuesday	Wednesday	Thursday	Friday
9:00	Daily Zoom Meeting	5B Zoom Link	5/6R Zoom Link	6S Zoom Link	
Morning	Literacy Activities	Literacy Activities	Literacy Activities	Literacy Activities	Literacy Activities
	Recess Break				
Middle	Maths Activities	Maths Activities	Maths Activities	Maths Activities	Maths Activities
	Lunch Break				
Afternoon	Natural Disasters	Natural Disasters	Natural Disasters	Natural Disasters	Natural Disasters
Optional Activities	Last year, the Office of the Advocate for Children and Young People launched a website called Digital Lunchbreak. Children and young people can learn, create and discover through digital workshops, learning materials, virtual excursions and more. Visit the Digital Lunchbreak website by clicking here www.digitallunchbreak.nsw.gov.au				

Stage 3

Literacy Activities

Term 4 – Week 3
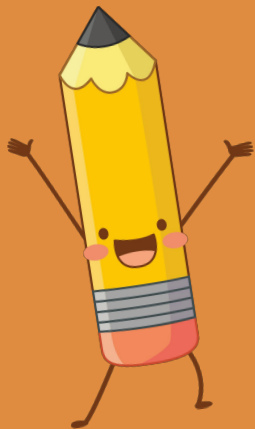
Expectations

☺ Do one activity each day.

☺ If you get stuck, send your teacher a message on Google Classroom.

☺ You can add extra slides to do your answers, otherwise you can do your work in a Google doc or workbook at home.

☺ Submit your work on Google Classroom.

☺ Do the best you can! ☺

KIDS NEWS

Fraser Island to be renamed traditional owners' word for 'paradise'

https://www.kidsnews.com.au/indigenous-news/queenslands-fraser-island-to-be-renamed-traditional-owners-word-for-paradise/news-story/54ea84689cb68de3c463386c7ea8311d

Learning Intention: To use comprehension strategies to build understanding.

What to do?
- Read the questions on the next slide first.
- Click the link above and read the article.

Your task:
- Answer the questions on the next slide.

KIDSNEWS

KIDS NEWS

Learning Intention: To use comprehension strategies to build meaning.

What does K'gari mean?

What is the name of the region's Indigenous people?

When were Eliza and James Fraser shipwrecked on the island?

What did Eliza Fraser claim happened after they were shipwrecked?

What do the traditional owners say happened to Eliza?

RESEARCH & WRITING TASK

Research K'gari - Fraser Island

Learning Intention: To create a persuasive poster/slideshow that demonstrates why K'gari is a paradise.

What to do:
- Research K'gari (Fraser Island).

- Make decisions about why and what makes K'gari a paraside.

- Showcase your thinking in the form of a poster/slideshow using images and words that persuade the viewer to believe that K'gari is a paradise.

- You can create your poster in whatever format you like. If it is easier to do it using paper, then go with that. You can use apps like Pic Collage on iPads or Canva (using your @education email to login). You can also use microsoft word, publisher, powerpoint or any other program that you may already use.

- Share the link or a screenshot of your poster on the following slide. Don't forget you can use the snipping tool on your computer to do this.

RESEARCH & WRITING TASK

Research K'gari - Fraser Island

Share your poster/slideshow with your teacher here:

ANTONYMS

An antonym is a word opposite in meaning to another. Fast is an antonym of slow.

Replace the bold words in the sentences with words that have the opposite meaning.

Sentence	Antonym	Sentence	Antonym
Tim is in the bedroom but he is **awake.**		I will meet you at the **entrance** door.	
This sheet of paper is very **smooth.**		Mr Jones is quite **hairy.**	
This is the **first** time I will do it.		His **friend** tried to hurt him.	
Most of the students are quite **rude.**		I am going to **save** this ten dollar note.	

These words are antonyms. Write true or false in the empty box.

empty/full	True	arrive/depart		bitter/sour	
rich/poor		clean/dirty		never/often	
huge/big		small/tiny		yummy/delcious	

VOCABULARY

Classifying Words

Complete each list with a word from the word bank.

stone	foal	cherry
mutton	roast	golf

apple, pear, peach	
wood, brick, concrete	
cricket, netball, football	
lamb, pork, beef	
kitten, puppy, chicken	
bake, fry, boil	

Write each word in the word bank under the correct heading.

lockey	violin	ferry	liner
chemist	melody	teacher	carol
orchestra	fluke	mechanic	yacht

Occupation	Ship	Music

Add a word to fit the category

scarf, apron, shirt	
hand, arm, face	
cloud, sun, sky	
harp, guitar, flute	
lamb, kitten, puppy	
bee, ant, wasp	
pear, plum, apple	
pencil, pen, crayon	

SPELLING

Halloween Word Search

INSTRUCTIONS

Use the line tool on the toolbar above to mark where the words are.

The first one has been done for you.

Word list:

SUPERNATURAL
SUPERSTITION
TOMBSTONE
VAMPIRE
WICKED
WITCH
ZOMBIE
GRUESOME
HALLOWEEN
HAUNT
HAUNTED
HORRIFY
MYSTERIOUS
OCTOBER

CAULDRON
CEMETERY
CREEPY
DARKNESS
GHASTLY
GHOST
GHOULISH

Word search grid:

```
N N V M Q Z O Q G L N Y U Y I H E O U I
G O L T N M E H B G P H T R G C R D N I
N H R M I R O Q J E C N K E W K I Z Z F
E Y A D T U W E E W J W E T D K P O W G
X N I S L D A R K N E S S E W H M J T H
N C O I T U C W L O B U T M W J A E N O
U O S T X L A V F N P N O E P O V P U S
M H C C S D Y C E E U O W C D U L D A T
K Y P Q U B U V R A I C Z E A D E L H Q
J O S U O N M N H O N T Z V H K W K A T
M Y O T H E A O K E U O T O C O Q G M H
H J L Y E T F T T O Y B C I M M H R U
H T V R U R A N R Q L E W I E B U R V L
J E Z R C O I C J M S R E P G F I F D
S W A O X H B O H W Z L W I T C H E I
G L Q N Q K S G U O R F X R H C W V M E
T A X X S U P E R S T I T I O N G Q T F
H O R R I F Y C J D E M O S E U R G N
```

BONUS JOKE

WHAT'S THE PROBLEM WITH TWIN WITCHES?

YOU NEVER KNOW WHICH WITCH IS WHICH!

Maths
Week 3 Term 4

Maths Instructions:

1. Watch the instructional videos before beginning the tasks. You may need to watch these more than once.

1. Complete **both** activities each day - activities can be completed on your slides or on paper or in a book. Please draw any tables or diagrams that you need to complete these activities.
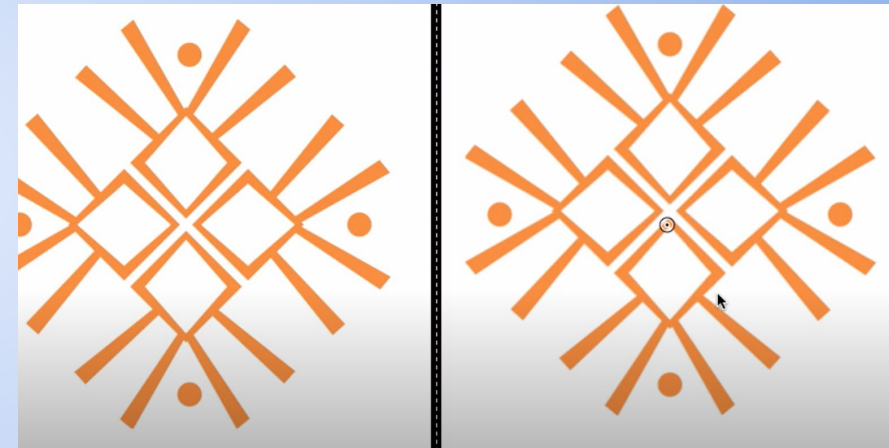
Instructional Video Links

Addition and Subtraction

2D Space

Activity 1 & 2 Video

Activity 1 Video

Monday

Daily Speed Test

What you will need:
- Timer (if you don't have one on a device use this: https://www.online-stopwatch.com/)
- Piece of paper
- Pencil

What to do:
- Select a times table that you would like to improve on (**must be between 6 and 12**)
- Set the timer and begin writing your times table out from start to finish. E.g. **0 x 7** = 0 all the way through to **12 x 7** = 84
- Press stop on the timer when you have finished and record your time
- Consider your time and set an achievable goal for the next day. E.g. *If you got 1 minute 20 seconds you might aim for 1 minute 15 seconds the next day.*
- **<u>Record your times in the table below</u>**

<u>Monday</u>	**<u>Tuesday</u>**	**<u>Wednesday</u>**	**<u>Thursday</u>**	**<u>Friday</u>**

Ignition Activity – choose your level

Answers for today will be posted at the end of the week

ID: 56541   EASY Next Level
EMOJI PUZZLES FOR DEVELOPING MINDS

🐓 + 🐓 + 🐓 = 12

🦢 + 🦢 + 🐓 = 22

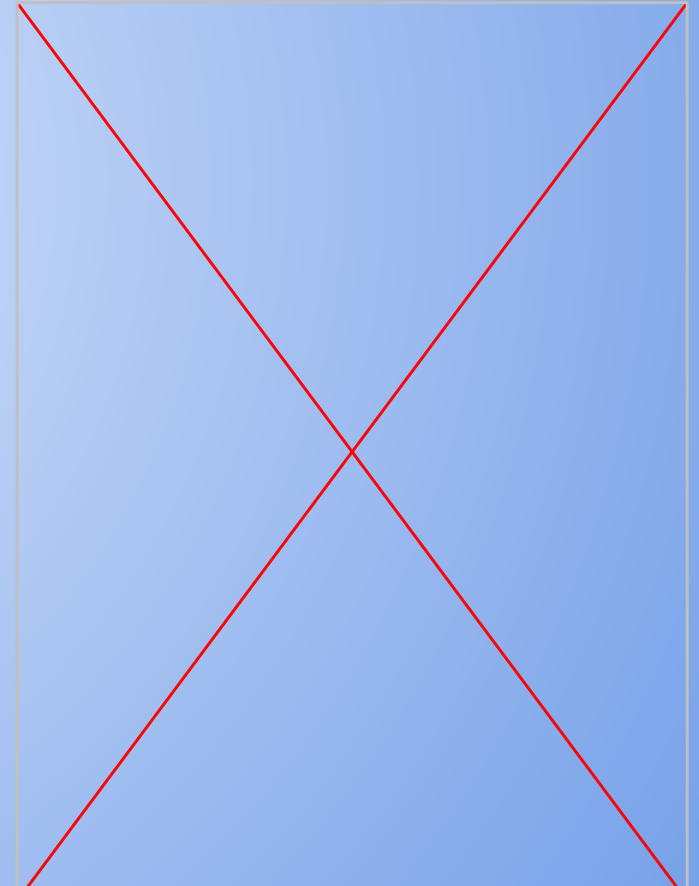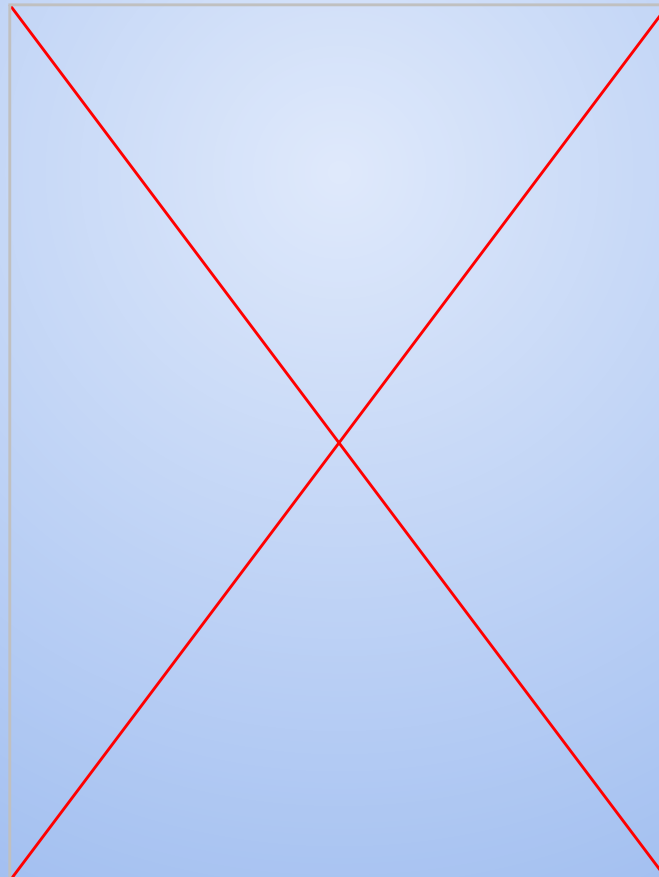🕊️ + 🦢 + 🕊️ = 19

🐓 + 🦢 × 🕊️ = ?

Solvemoji.com

3/34 (8%)

Answer...

Activity 1

Warm-up challenge - Magic Squares

Complete the magic squares. Each row, column and diagonal must add up to the same total.

1.

33		
19	24	
		28

2.

18	21		23
20		26	
	14		
11	24		22

Activity 2

Read the information below which shows a page from Mrs Edwards' **bank statement**.

REBECCA EDWARDS
15/20 A LAVENDER STREET
LAVENDER BAY NSW

STATEMENT PERIOD: 15/2/16 – 2/3/16

ACCOUNT NUMBER: 63942-937640   1203

PAGE: 1

DATE	TRANSACTION DESCRIPTION	DEBIT WITHDRAWALS $	CREDIT DEPOSITS $	BALANCE $
15 FEB	BALANCE			413.64
15 FEB	EFTPOS: HARRY'S FOOD STORE	59.00		354.64
16 FEB	DIRECT DEBIT: FONECOM BILLING	129,34		225.30
16 FEB	INTERNET TRANSFER	100.00		125.30
17 FEB	PAY/SALARY		2705.00	2830.30
17 FEB	ATM	200.00		2630.30
17 FEB	ATM FEE	2.50		2627.80
18 FEB	EFTPOS: RAILNEWS	40.00		2587.80
19 FEB	ACCOUNT FEES	7.65		2580.15
19 FEB	INTERNET BPAY: LOMBARD	200.00		2380.15
19 FEB	INTERNET TRANSFER	35.00		2345.15
21 FEB	EFTPOS: HEALTH & BEAUTY	79.00		2266.15
22 FEB	INTERNET TRANSFER TONY	125.00		2141.15
22 FEB	BPAY: BELLE'S BOUTIQUE	113.89		2027.26
23 FEB	ASHLEY AUTOMATIC DRAWING	41.50		1985.76
25 FEB	CHEQUE #071	61.00		1924.76
26 FEB	ATM: BANK 1	50.00		1874.76
26 FEB	CHEQUE #072	52.00		1822.76
27 FEB	EFTPOS: MAD SPUDS	14.99		1807.77
28 FEB	JOHN JONES INTER-BANK CREDIT		55.00	1862.77
1 MAR	INTERNET TRANSFER SAVINGS	400.00		1462.77
1 MAR	JACK'S REAL ESTATE PTY LTD	680.00		782.77
2 MAR	CHEQUE DEPOSIT – SMITHS		1000.00	1782.77

Activity 2

Use the information in Ms Edwards' bank statement to answer the questions below. **Estimate** your answers first and then use the space provided to work out your answers.

Problem	Working
1. Each fortnight, Ms Edwards earns $2705 and has to pay rent of $680. What does she have left to spend and save each month?	Estimate _____ Answer _____
2. What was the combined total of money credited into Mrs Edwards' account, from the 15th of February to the 2nd of March inclusive?	Estimate _____ Answer _____

Activity 2

3. From the cash Ms Edwards took out of the ATM on the 17th of February, she spent $64.50 on groceries. How much cash did she have left?

Estimate _____

Answer _____

4. Of the cheque payment #071, $13.50 was for a book and $24.55 was spent on stationery. The rest of the money was spent on paper. How much was spent on paper?

Estimate _____

Answer _____

5. For the period, the 15th of February to the 18th of February inclusive, what was the total of Ms Edwards' expenses (include ATM withdrawals)?

Estimate _____

Answer _____

Activity 2

6. On the 3rd of March Ms Edwards spent $330 for a flight to Melbourne, $78.50 on new shoes and paid a bill of $115.78. How much money did she have left to spend before payday on the 17th of March?

Estimate _____

Answer _____

7. Ms Edwards had $1782.77 in her account on the 2nd of March. How much money had she spent since she was last paid on the 17th of February?

Note: She had a credit into her bank account on the 28th of February.

Estimate _____

Answer _____

Tuesday

Complete your Speed Test and record your time in the table above.

Glossary-

- **enlarge:** to make bigger

- **feature:** an attribute that can be easily observed, such as colour, size, thickness or length

- **irregular shape:** a polygon which has sides of different lengths and at least one angle is different from the others

- **line (axis) of symmetry:** a line that divides a shape in half so that each half is a mirror image of the other half

- **order of rotational symmetry:** the number of times a shape or design matches up with its original position when turning through one full rotation

- **property:** an attribute of a shape or object, such as (number of sides, angles, diagonals, lines of symmetry) that requires mathematical knowledge to be identified

- **regular shape:** all sides are equal in length and all interior angles are equal

- **rotate:** turning around a fixed point through any given angle, either clockwise or anti-clockwise

- **rotational symmetry:** a shape that looks identical in different positions when rotated around a central point.

- **two-dimensional (2D) shape:** a shape that has only two dimensions: length and width

Ignition Activity

Today's number is **727 071**

Day: 256

1. In words
2. 5 more
3. 20 less
4. Add 15.
5. Round to nearest 10
6. Odd or even?
7. Complete the pattern, add **2**: 727071, ___, ___, ___
8. List some factors
9. Divisible by 10?
10. Half it.

Activity 1

Rotational Symmetry

In this lesson you will identify shapes that have rotational symmetry and work out their order of symmetry. You will also construct designs with rotational symmetry.

Have A Go!

Look at the following images. Are there any similarities between them?

If you rotated these objects about a centre point, would the shape be the same?

These objects show symmetry in a different way to the reflective symmetry in **Lesson 1**. They all have **rotational symmetry**.

What do you think this means?

Activity 1

Shapes which have **rotational symmetry** look identical in different positions when rotated around a central point.

For example:
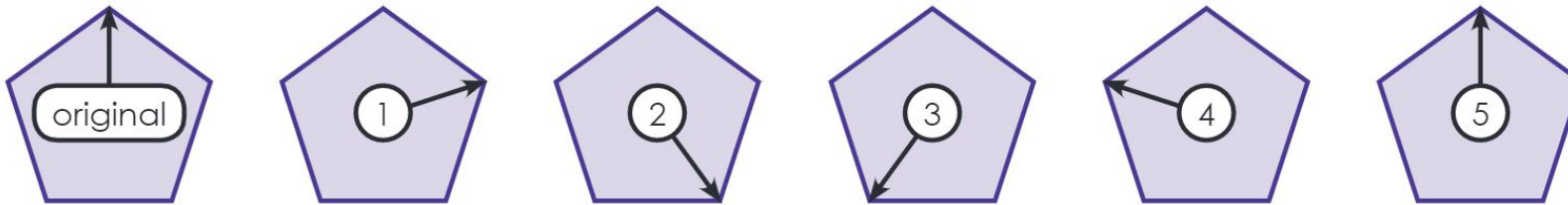
A pentagon has rotational symmetry order of 5. This is because it matches itself 5 times through a full rotation.
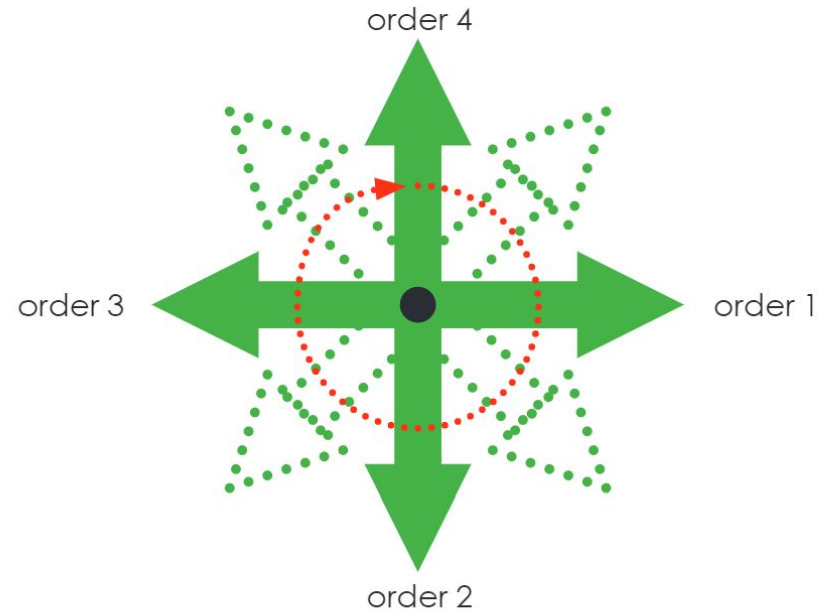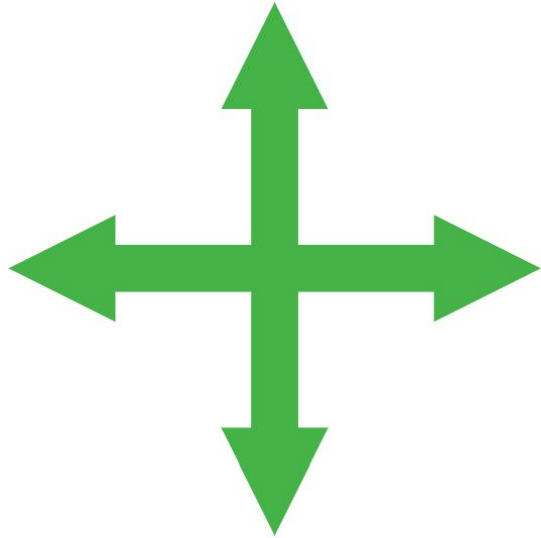
We use the term **order** to refer to the number of positions where the shape looks the same when rotated.
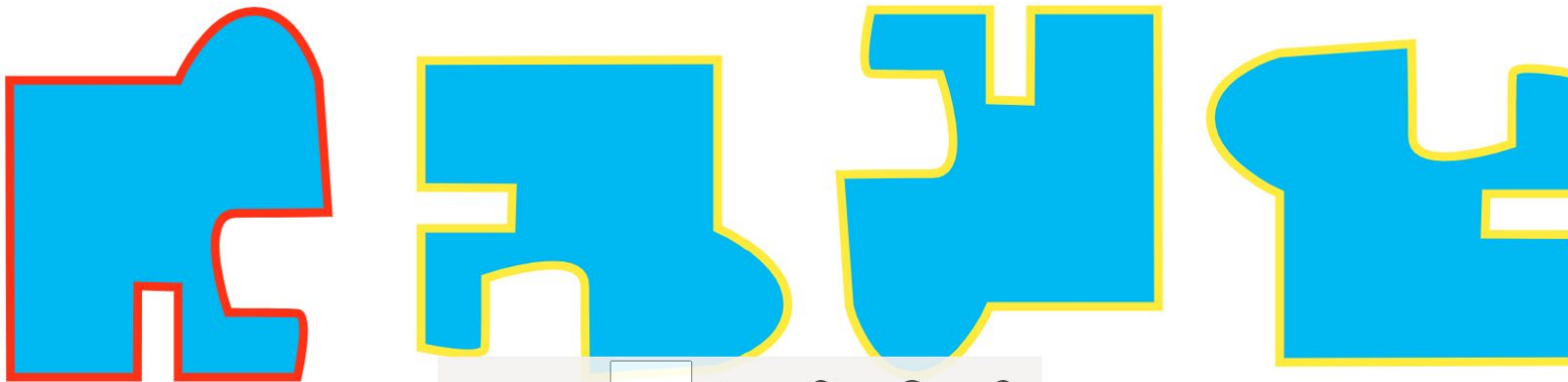
2D
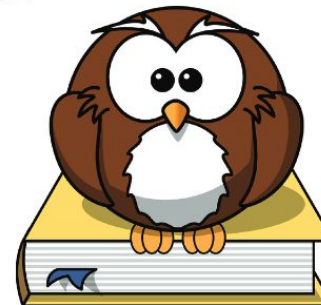
Activity 1

The shape below has rotational symmetry of order 4. This means that when it is rotated it looks identical in four different positions. The four identical arrows make this possible.

order 4

order 3

order 1

order 2

The shape below has no rotational symmetry. The shape does not look identical in any position when rotated.

2D

Activity 1

Some of the letters of the alphabet have rotational symmetry. Use tracing paper or other paper to test each letter to see if they have rotational symmetry. The first one has been done for you.

The letter 'Z' has rotational symmetry of **order 2**.

1. The letters which have rotational symmetry are:

Z _____

Z
Z
Z   order 1
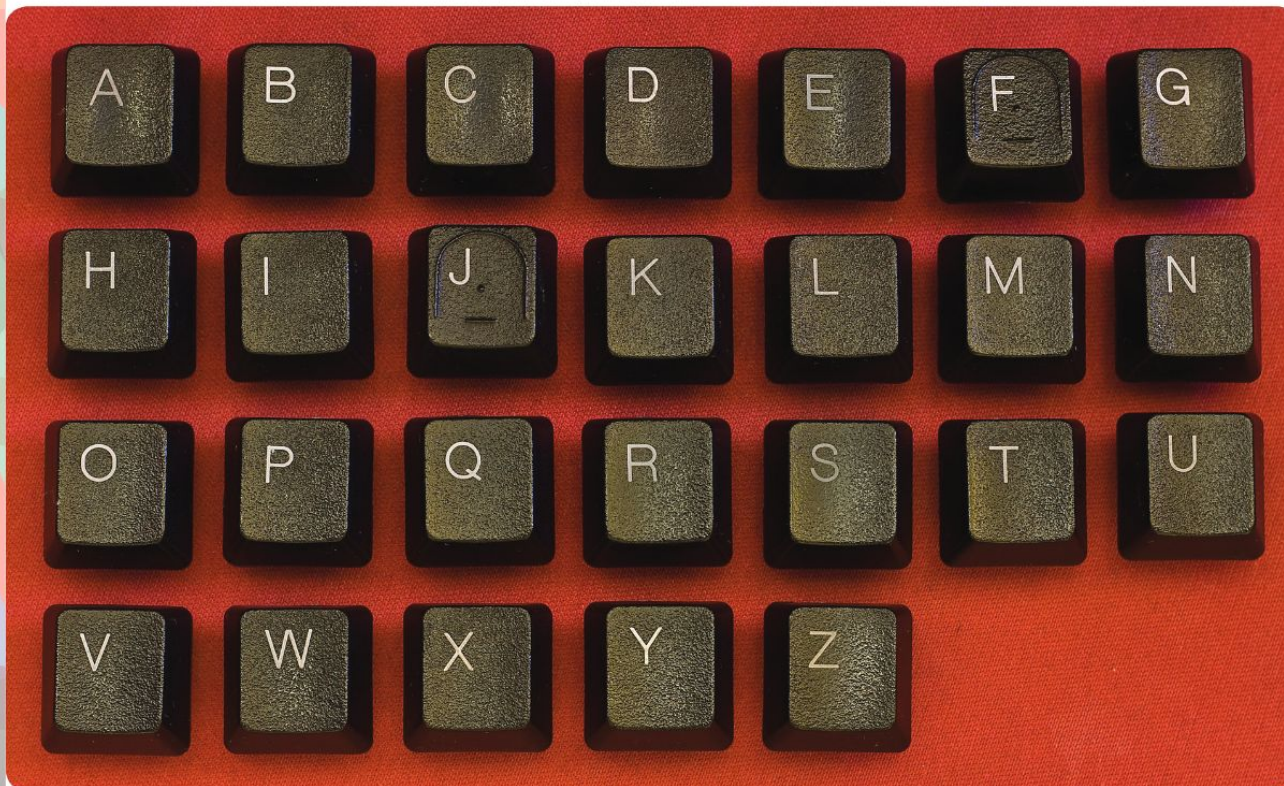
Z
Z   order 2

Activity 2   Coordinate Challenge   Can you position these ten letters in their correct places according to the eight clues below?

P S X Y Z A B C D E

Clues:

The letters at $(1,1)$, $(1,2)$ and $(1,3)$ are all symmetrical about a vertical line.

The letter at $(4,2)$ is not symmetrical in any way.

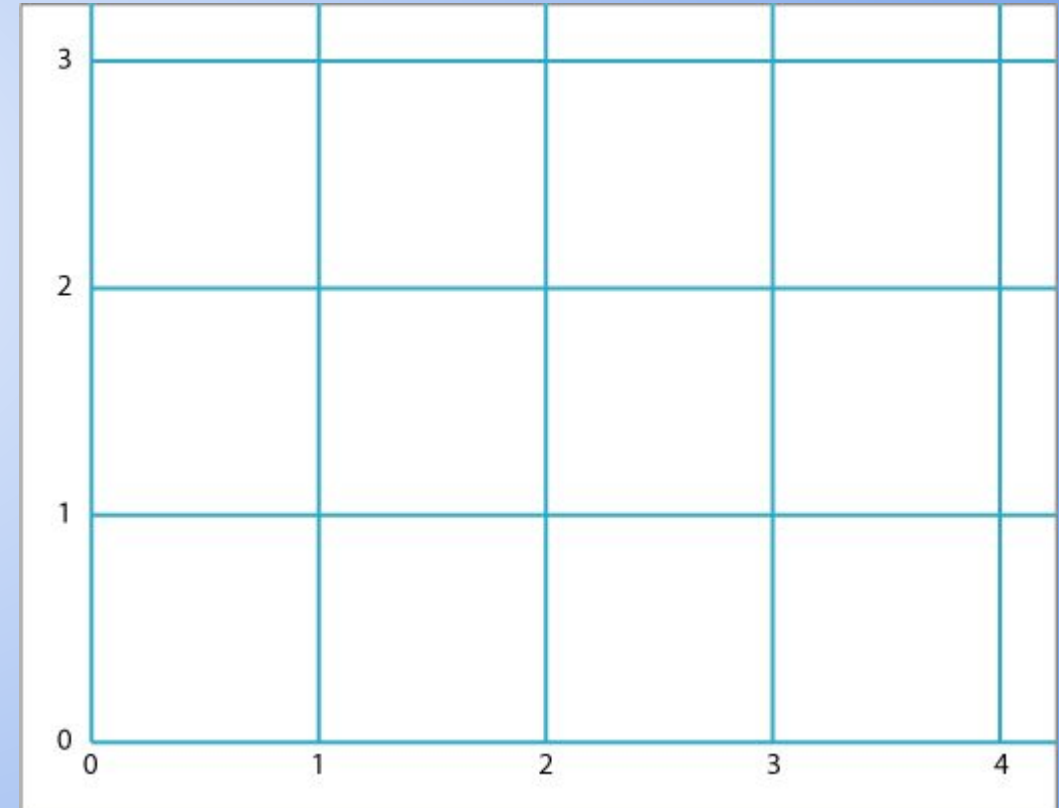The letters at $(1,1)$, $(2,1)$ and$)$ are symmetrical about a horizontal line.

The letters at $(0,2)$, $(2,0)$ have rotational symmetry.

The letter at $(3,1)$ consists of just straight lines.

The letters at $(3,3)$ and $(2,0)$ consist of just curved lines.

The letters at $(3,3)$, $(3,2)$ and $(3,1)$ are consecutive in the alphabet.

The letters at $(0,2)$ and $(1,2)$ are at the two ends of the alphabet.C

Wednesday

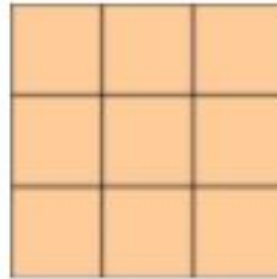**Complete your Speed Test and record your time in the table above.**

Ignition Activity

Magic Squares ☆☆☆ 10

Can you put the digits 1 to 9 in a square so that every row, column and diagonal add to 15?

This example doesn't work:

1	3	5	→9
9	6	4	→19
2	7	8	→17

↙13 ↓12 ↓16 ↓17 ↘15

Activity 1

Have A Go!

Think about what you have learned in this unit.

Can you think of times when you have had to **plan** for something? Making a **budget** is a type of **financial plan** as you are planning how you will spend or save your money.

Think about your family. Imagine they didn't have a budget plan to know how much money they have to spend. What do you think could happen?

1. Write as many reasons as you can think of to explain why it is important to budget and how a budget helps you.

Activity 1

Budget Challenge - Food Shopping

Imagine that it is your mum's or dad's birthday and you are all going away to the country for two days. You decide that you will treat them to all their evening meals and go food shopping to buy all of the ingredients/items you will need to prepare each evening meal.

You have saved enough money for a budget of **$80** to spend on all the food.

- Choose one of the supermarkets in the links below to do your shopping.
- Make sure that you order the right quantity for two adults and one child.
- Have a balance of healthy food and treats.

Write notes down on the next page when deciding what to buy. Once you are happy with your decisions, complete the table on the following page listing each food item and the cost. Then calculate the total cost.

Useful links:

https://www.woolworths.com.au

https://www.coles.com.au

https://www.iga.com.au

Activity 1

Use this space to plan your two evening meals. Consider how many people the meal is for, the ingredients for each recipe and whether or not you will have enough money for dessert afterwards too.

Shopping list for two evening meals		
Food Item	Cost	Balance
		$80
Total dinner cost		

Thursday
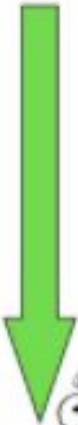
Complete your Speed Test and record your time in the table above.
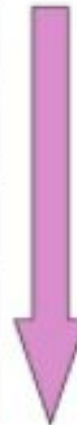
Ignition Activity

Do NOT use a calculator!

Nice and easy	Bit more to it	Challenging
88	57	26
÷ 4	÷ 3	+ 34
x 6	x 4	- 8
÷ 11	- 24	25% of the answer
+ 65	÷ 13	+ 85
Double it	square the answer	5/7 of the answer
- 22	x 9	70% of the answer
Half it	- 87	Double the answer
- 14	+ 39	x 4
+ 39	÷ 8	÷ 14
Answer =	Answer =	Answer =

Activity 1

2. One way to test if an object has rotational symmetry is to trace around its outline onto A4 paper using a sharp pencil. The object is then rotated one full turn to discover if the outline of the object matches its outline on paper more than once as it is rotated.

Try these:

a. A shoe

After tracing the shoe, lift the shoe and turn it around until it fits exactly inside the outline again.

i. Does it have rotational symmetry? _____

ii. Explain your answer.

_____

_____

b. A 50-cent coin

Trace a 50-cent coin and test for rotational symmetry.

i. What is the order of rotational symmetry? _____
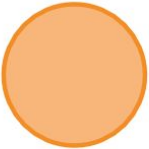
ii. Explain your answer.

_____

_____

Activity 1

3. Complete the table below. If the shape has rotational symmetry, write down the order of rotational symmetry, to indicate how many times it can match itself in one full rotation.

Shape	Rotational symmetry Y/N	Order of rotational symmetry	Shape	Rotational symmetry Y/N	Order of rotational symmetry
a.			b.		
c.			d.		
e.			f.		
g.			h.		
i.			j.		

2D

Activity 1

6. Each of the designs below has rotational symmetry. Work out the order of rotational symmetry and write your answers in the boxes.

a. rotational symmetry of order:

b. rotational symmetry of order:

c. rotational symmetry of order:

d. rotational symmetry of order:

e. rotational symmetry of order:

f. rotational symmetry of order:

Activity 2

Add to the shape below to give it a rotational symmetry of order 3. Use the space below for your drawing.

Activity 2

Optional activity - Making a snow flake

A real-life example of rotational symmetry is the formation of a snowflake.

Follow the steps below to make your own snowflake showing rotational symmetry.

Step 1: Cut out a square piece of paper 15 cm by 15 cm.

Step 2: Fold the paper into 4 parts (quarters) by folding it in half horizontally and then in half vertically. You should now have 4 smaller squares.

Step 3: Keeping the paper folded, cut out shapes along the outside edges.

Step 4: Fold the small square to cut one or two shapes out of the middle.

Step 5: Unfold the sheet to reveal your snowflake pattern showing rotational symmetry.

Step 6: Repeat steps above to make more examples of rotational symmetry.

Friday Challenge
You will need assorted coloured paper and plenty of patience!

Want more Maths?

You can also go onto Mangahigh or Studyladder

Ask your teacher if you need your login details.

Friday Challenge

Insert a photo of your sculpture here.

Natural Disasters

Week 3

Week 3

Monday:Tornados, Hurricanes and Cyclones

Find out what a tornado, a hurricane and cyclone all have in common. Write a detailed description. CLICK HERE to watch a video that will help you.

Choose a picture that represents the destruction caused by this type of natural disaster.

Windstorm activity - complete the following STEM activity that links to the power of tornados.

[Click here](#) for this cool activity

Tuesday: Volcanoes

Choose one of the following famous volcanoes:

- Mount Vesuvius
- Krakatoa
- Mount St Helens
- Mount Etna

On the following page, complete the fact file on your chosen Volcano.

Volcano STEM activity

Complete the following cool activity to create your own volcano. Video your eruption and share it with your teacher

https://www.youtube.com/watch?v=jJLYGOglU-0

Wednesday: Floods

Learn about floods at the following site:

https://kids.nationalgeographic.com/science/article/flood

Answer the following questions:

1. A flood is a _____ of water with _____.
2. What are some of the causes of a flood?

3. Why are floods considered the most severe of all the weather-related disasters?

Can you build a flood-proof home?

Why do house flood?

https://www.youtube.com/watch?v=6mKyZd6Lmlc

What will we need?

For the model: modelling equipment e.g. lego, duplo, cling film, foil, plasticine, lolly sticks, straws, plastic bottles, string, glue, cardboard, straws and K'nex.

For testing: Best to test outside with a hosepipe or watering can, but the bath will work too!

Thursday: Drought

Click on the hungry cow, to find out about drought in Australia.

Drought Poster

Design a poster about droughts.
Your poster could be about:

- how to deal with drought;
- helping farmers;
- cost and causes of drought;
- past and current droughts in Australia;
- livestock, native animals, and drought;
- effects of drought on living and non-living aspects of the environment;
- water restrictions;
- crops, native plants, and drought;
- soil, dust storms, bushfires, and droughts.

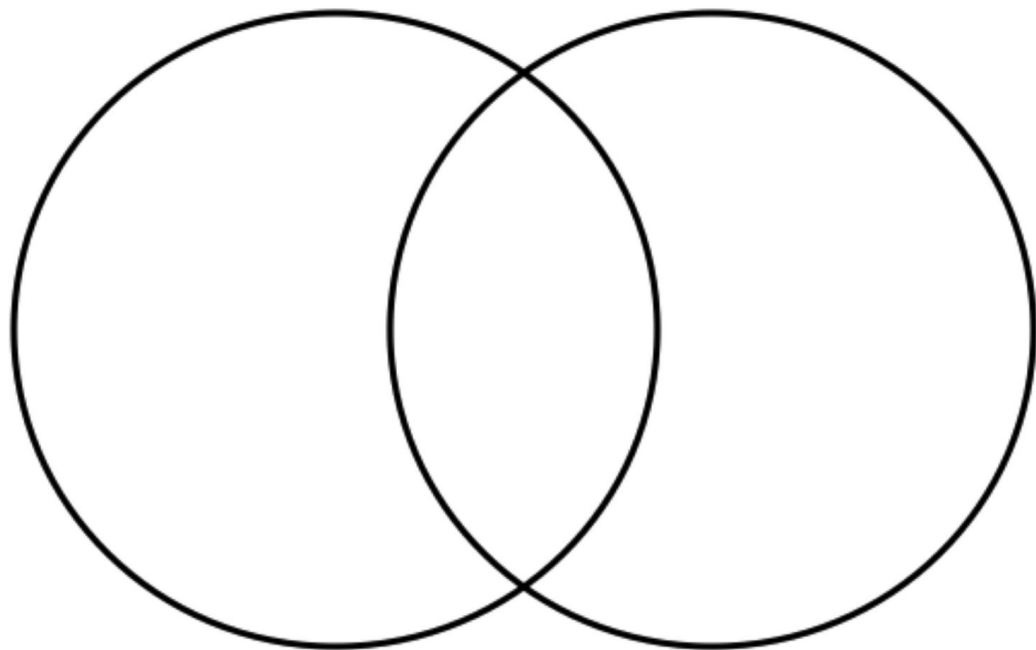**Draw your poster on the next page.**

Use the statements on the right to complete the venn diagram that compares and contrasts floods and droughts

Flood			Drought

|			
Too much rain is the cause.	Can harm habitats and cause soil to move (erode).	An extreme weather condition that can kill living things.	Everything becomes wet.
Too little rain is the cause.	Everything becomes dry.	Rivers, streams and lakes can overflow,	Wildfires can break out.
Affected by the amount of rain.	Water shortages.	Water can become dirty and polluted.	Crops will die from lack of water.

You Will Need:
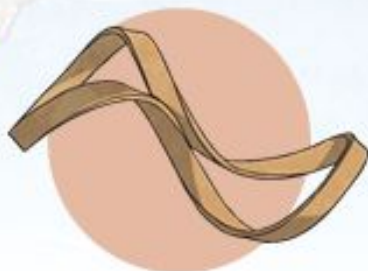
- Milk bottles
- Bubble wrap
- Milk bottle lids
- String
- Elastic bands
- STEM materials you have access to
- Graph paper
- Cardboard
- Popsicle sticks
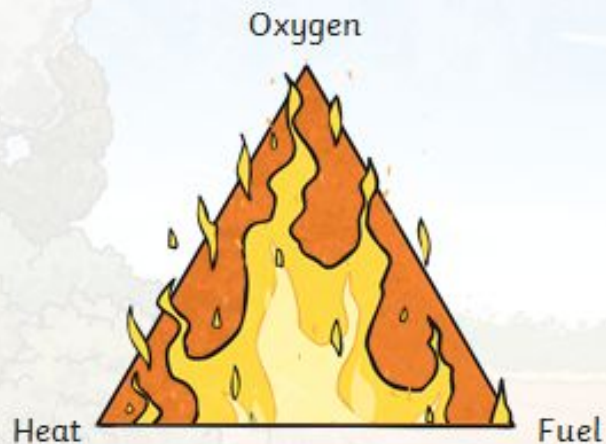- Pipe cleaners
- Cardboard cylinders

Bushfire

A bushfire is a fire through bushland or forests and generally spreads quickly.

Bushfires can threaten wildlife, the environment, property and life.

What a Fire Needs

All fires need three elements to be able to burn.

Oxygen

Heat

Fuel

They make up the fire triangle.
Without all three of these elements the fire will not be able to burn.

Fuel

What kind of things could be fuel to a fire?
Discuss how many you can think of.

Gasses, such as, natural gas, propane and carbon monoxide.

Solids, such as, coal, wood, paper, plastic and hay.

Liquids, such as, turpentine, paint, varnish, olive oil and kerosene.

If you see an electrical fire, why would it not be a good idea to use water to put it out?

Weather

The hotter and drier the weather is, the more likely it is for a fire to spark and spread.

Wind can be a major influence as it pushes the fire forward. A strong wind can push a fire a long way quickly and can also cause humidity to reduce, leaving little moisture in the air.

Land

The slope of the land plays a big role in how quickly a fire can spread.

If a fire is moving up a hill, the fire will spread much faster than if the fire was moving down hill.

What Do You Take?

When there is a fire approaching your house you often do not have long to pack your possessions and leave.

It is important to take the possessions that mean the most to you and that cannot be replaced.

It is also important that you know what to do if a fire comes close to your home.

You must stay calm and follow your plan.

Your Task

You are going to create an evacuation plan for your home should a bushfire occur nearby.

1. Your first task is to write a list of important things that you would grab, in a hurry, if you would have to leave your house due to a fire.
2. Draw a bird's-eye view of your home. You will need to include all of the rooms as well as all of the major pieces of furniture.
3. Once your house drawing is completed, draw the escape plan you would take in leaving the house. Consider safe places to exit and where the fire would be coming from.

Include a photo of your house drawing here.

Vegetation

You can help to protect your home with the garden you plant around your house.

Plants should be spread out so not to form a continuous canopy for the fire to follow.

They should not be planted directly against the buildings.

Low ground covers can assist in slowing the speed of the fire.

Plant selection is important. Plants such as eucalyptus and bottle brush burn well so should be kept at a distance as they will fuel the fire.

Going Further

You are going to design a house that will be able to have the best chance of surviving a fire.

You should design your house and then construct it using the provided materials.

Think about the materials you are using to make the house as well as the plants you are going to use surrounding it.

Include a photo or video of your fire-proof house here.