

YEAR 3 OFFLINE LEARNING BOOKLET
WEEK 1 TERM 4



**Welcome
back!**

Name: _____

Class: _____

Term 4 – Week 1 Stage 2 OFFLINE VERSION

	Monday	Tuesday	Wednesday	Thursday	Friday FUN
9:00	Public Holiday	<p>Holiday Newspaper Report: Students will complete the 'newspaper report' worksheet to share their news about their holiday.</p>	<p>Connotation, Imagery and Symbol: Students will use their senses to help create a poetry piece</p>	<p>Reading Eggspress: Login and complete assigned comprehension activity Reading Eggspress: 92</p>	<p>Throughout the day:</p> <ul style="list-style-type: none"> - Edit Your Work Go through your slides and find any mistakes. Change these with the colour red.
9:30- 10.00		<p>Goals: Students will identify their goals for home learning this term. Students will create a list of steps to achieve this.</p>	<p>Science Activities: Beneath our Feet What are the three types of rocks? Discover rocks in your garden or research Uluru.</p>	<p>Connotation, Imagery and Symbol: Students read the poem 'Dessert sky'. Students then use similes to write about the features of the sky.</p>	<ul style="list-style-type: none"> - ZOOM - Games: Play board games and/or puzzles. e.g. Uno, dominos, jenga (boggle, solitaire online) - Trick shot challenge - Matheroo Worksheet- - Community Rock Drop
10:00: - 10:30					
10.30- 10.45					
		<p>Reading: "Tell me what you think" comprehension worksheet.</p>	<p>Soundwaves Spelling: Soundwaves complete the first page of unit 30 of your soundwaves book.</p>	<p>Soundwaves Spelling: Soundwaves complete the second page of unit 30 of your soundwaves book</p>	<p>Or</p> <ul style="list-style-type: none"> - Community Spoonville (students will be designing a rock or a wooden spoon to leave around the community to spread some positive vibes.)
11.30- 12.25					
		<p>Maths: Students will be revising a selection of Number concepts</p>	<p>Maths: Students will be revising a selection of Number concepts</p>	<p>Maths: Students will be revising a selection of Number concepts</p>	
1.25- 1.45					
1:45-3:00		<p>Creative Art: Students create a 'Grouchy Art Portrait' inspired by artist Claire Lockheart.</p>	<p>PDHPE: Can you hit the target? Students will be placing targets around the house and see how many goals they can get into the target with a pair of rolled up socks.</p>	<p>DEAR (can change) Find a quiet place in your house and sit back and relax and read a book.</p>	<p>(Take a photo of yourself leaving the rock or spoon around the community, and if they find any).</p>



NEWBRIDGE HEIGHTS GOOD TIMES

TELL US ABOUT YOUR HOLIDAY

A highlight from my holiday has been:

Draw a picture :

SOMETHING NEW I LEARNT WAS:

THE MOST DELICIOUS THING I ATE:

A FUN THING I DID WAS:

Unit 1: I'm goalie AGAIN!



"Hey Ben, are you ready for the big game?" asked Coach. He ruffled Ben's hair with his hand. Coach had selected Ben to be the team's goalie for this week.

"Yep," said Ben, trying to sound like he was excited as he patted his hair back down on his head.

6



Inside his head a small voice teased, "Liar, liar, pants on fire. You're not ready. Go on, tell him the truth."

Ben looked up at his coach and smiled. He put on his best happy face. This wasn't easy when it felt like rats were gnawing away at his guts. He didn't want to be the goalie and he wasn't at all happy.

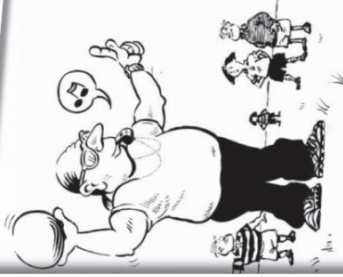
7

"Don't pick Toby," one of the boys whispered to Ryan. "He's hopeless at soccer." That's how I got to be the eleventh player in Lisa's team.

"You can be a mid-fielder, Toby," Lisa said.

"Try not to let anything get past you. I want to win."

"Can I play goalie instead?" I asked. I'd always wanted to play goalie. Lisa shook her head. "Scott wants to be goalie," she said, smiling at him.



Mr Chapman told us that he was picking the A and B teams today.

"So everybody play your best," he said.

We lost six nil. It didn't help when I kicked the ball into our own net, scoring a goal for Ryan's team.

In the texts - read pages 2 & 3



Complete the table about the narrative on page 2

Who are the characters?	Where is it set?	Write a title for this narrative.

Find 10 words in the texts that have an apostrophe.

- 1.
- 2.

Complete the table about the narrative on page 3

Who are the characters?	Where is it set?	Write a title for this narrative.



Read and learn

Who chose Ben to be a goalie?

A:

Give one reason why Ben might not tell the coach the truth.

A:

What was the score of the game Toby played?

A:

Why doesn't Ryan choose Toby for his team?

A:

How do you think Toby would feel at the end of the game?

A:



Write some ideas for what could happen next.

A narrative tells a story.

It entertains, guides or teaches.

A story has a beginning, middle and end. It has:

- a problem, or the main character/s wants something
- one or more complications
- a resolution, where the problem is resolved. It can be resolved in a good or a bad way (a happy or sad ending).

Choose you most interesting ideas and write what happens next in the story.

THURSDAY



Aunt Stella gave each of them a piece of cardboard with a rectangle cut out of the centre. "This brilliant, little device lets you see the world around you a piece at a time. I call it a 'window of inspiration' because it lets you look with your eyes and see with your imagination. A very important skill for an artist!"

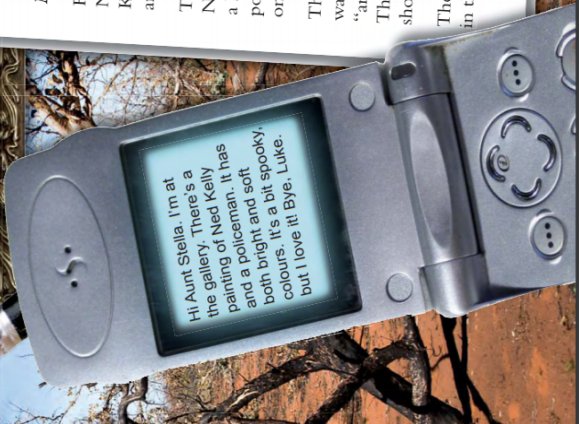


Ned Kelly series by Sidney Nolan (1917–1992)

From 1946 to 1947, the Australian artist Sidney Nolan painted 27 paintings about the outlaw Ned Kelly. The way Nolan painted Ned Kelly in his armour has become an icon.

The *Ned Kelly series* follows the main parts of the Ned Kelly story. It begins with Ned Kelly sitting on a horse. Then there are scenes of him fighting with policemen. Finally, Ned Kelly is caught and goes on trial.

The paintings show the Australian landscape in new ways. Nolan said the Ned Kelly tale was a story "arising out of the bush and ending in the bush". The *Ned Kelly series* is about Ned Kelly, but it also shows Nolan's thoughts on justice, love and betrayal. The Ned Kelly paintings are the most remarkable in the history of Australian art.



Hi Aunt Stella, I'm at the gallery. There's a painting of Ned Kelly and a policeman. It has both bright and soft colours. It's a bit spooky, but I love it! Bye, Luke.

Answer the following questions:

Circle if you can find these in the texts.

- a. letter
- b. SMS message
- c. response
- d. narrative
- e. description
- f. procedure

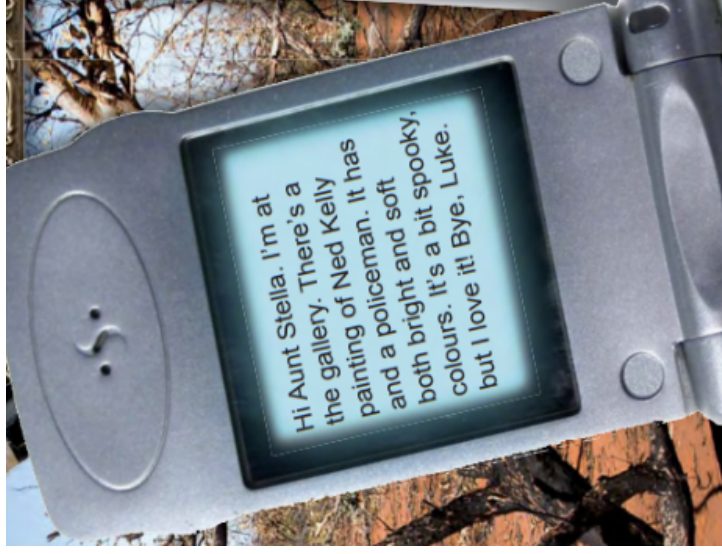
Circle if you can find these pictures.

- a. paintbrush
- b. computer
- c. mobile telephone
- d. horse
- e. dog
- f. dead tree
- g. picture frame

Some SMS messages are very short because the words that are needed are used.

Looking at Luke's SMS to Aunt Stella, cross out words that are not needed in Luke's SMS.

Write his new SMS message here.



Read the text beginning *Ned Kelly* series.

What is the purpose of the text?

What is the author's response to the paintings?

Where might you find a text like this one?

Draw lines to match each word to its meaning.

Answer the following:

Who does Luke write the SMS message to?

Which painting does Luke write about?

Which word does Luke use to describe the painting?

fairness

A place for art exhibitions

Something that is well-known and is a symbol of something else

Ideas and images of your mind

A sudden clever idea

inspiration

justice

icon

gallery

imagination

Ask yourself: How will I work towards reaching my goals each day?

Academic Goal:

Thinking goal/working goal:

Social goal:

Write a note about how you will accomplish one of these goals.

What is some feedback you have received and how will you use it to grow in one of your goal areas?

•

•

•

Academic Goals	Thinking/Working Goals	Social Goals
I will keep myself on track during home learning.	I will read all directions before beginning my work.	I will give at least 3 compliments to others throughout this week.
I will not give up, even if my work is challenging.	I will keep my work areas clean.	I will stay positive and encourage others to do the same.
I will do my best work during home learning to show what I know.	I will ask for help appropriately when I need it.	I will be polite by saying, "Please" and "Thank you" to others.
I will use academic language and accountable talk in my work and in group discussions.	I will work on my home learning without disturbing others.	I will lend a hand to someone when I see they are needing help.
I will write in complete sentences in my work.	I will remember my goals throughout the week and check in with myself to see if I'm working towards them.	I will model good behaviors for others at home.
I will check my work and make sure my answers make sense before turning in my work.	I will get started on my work right away.	I will work on lifting others up instead of bringing them down.
I will finish my work and turn it in on time.	I will read and use the feedback my teachers give me to improve my future work.	I will do a random act of kindness for someone this week.
<p align="center">Did you know you are more likely to accomplish a task if you create goals for yourself? 😊</p>		

Name: _____

Date: _____

GROUCHY PORTRAITS

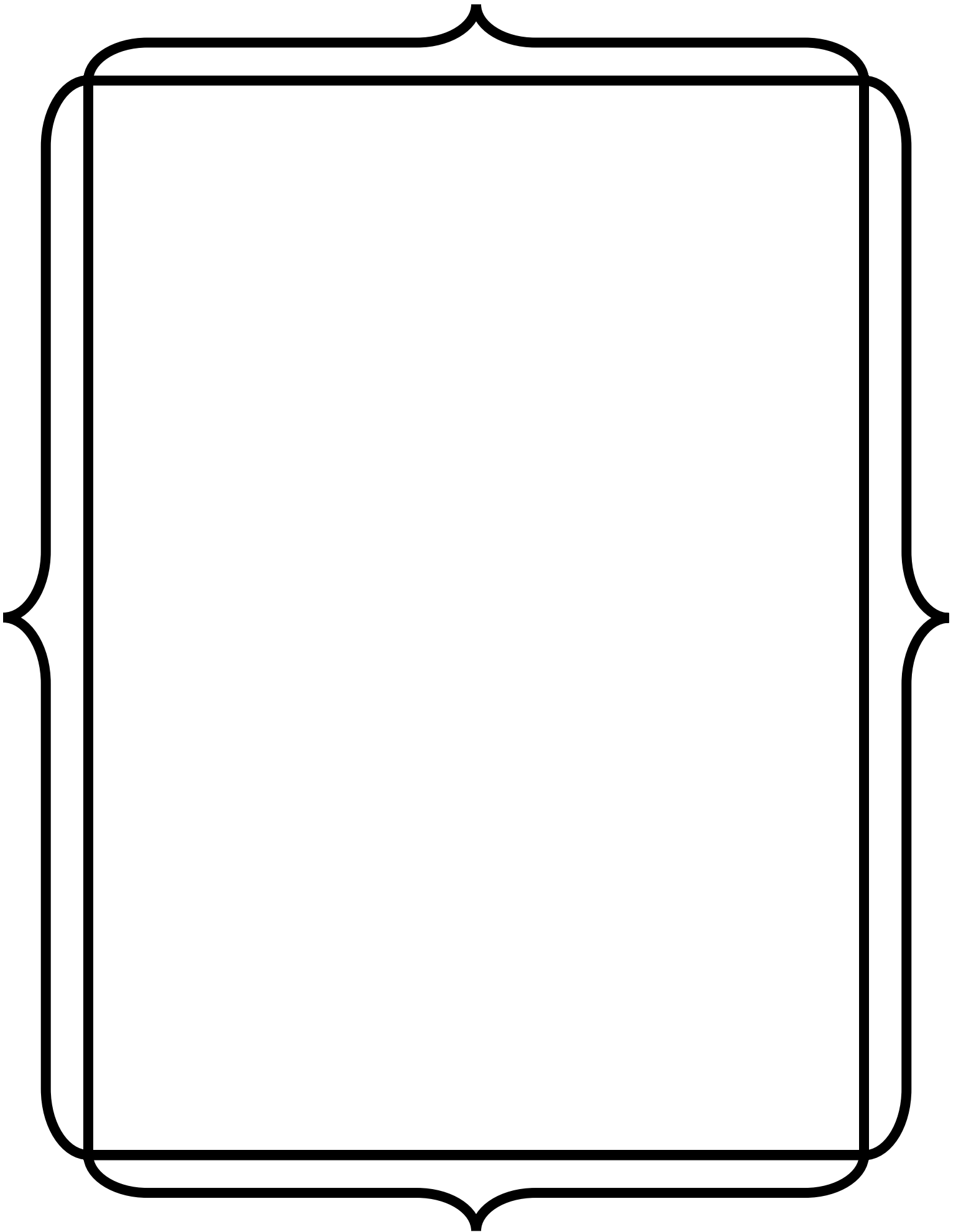


Behind the Art

- Claire Lockheart like to make very large paintings
- She doesn't like to do housework without any help
- So, she makes big paintings about being grouchy while doing housework all by herself
- Sometimes she makes paintings of herself
- A picture an artist makes of herself or himself is called a "self-portrait"

Self Portraits

- Lockheart's grouchy self-portraits help her express what she is feeling
- When she makes a painting showing that she is unhappy, it helps her feel better.
- You are going to make a self-portrait showing a time when you get grouchy
- When you make artwork about how you are feeling, it can help you feel better
- You typically feel better because the art helps you express your frustration



Grouchy Self-Portrait Artist Statement

By _____

Inspired by Artist Klaire A. Lockheart

I feel grouchy when _____

I think it is unfair because _____

I would be happier if _____

I created this self-portrait because _____



Connotation, Imagery and Symbol

SENSES



1 What can you see?

2 What can you smell?

3 What can you feel?

4 Can you compare the leaves to something else? For example, the leaves are as crunchy as my fresh apple.



Connotation, Imagery and Symbol

THE FIVE SENSES POEM EXAMPLE

What is a 5 senses poem:

Five Senses poems are six lines long and do not rhyme. Each line refers to one of the five senses e.g. look, sound, smell, taste, and feel. This type of poetry uses similes, which compare things using the words "like" or "as".

For example Birthdays:



Birthdays look like rainbow balloons



Birthdays sound like crackling paper



Birthdays smell like cakes in the oven



Birthdays taste like sweet lemonade



Birthdays feel like warm hugs

Success Criteria:

- Has five lines that describe the title
- Each line refers to one of the five physical senses
- Each line is a simile, using 'like' or 'as'



Connotation, Imagery and Symbol

THE FIVE SENSES POEM EXAMPLE

Your Turn:

Your turn to create a five senses poem about storms:



Title:



.....



.....



.....

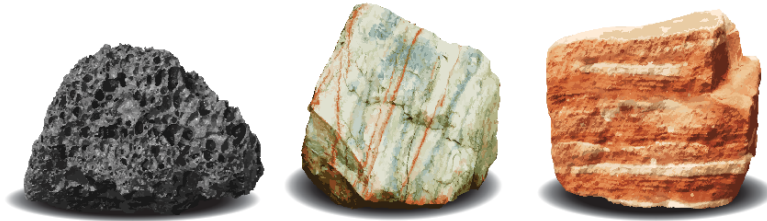


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TYPES OF ROCKS



1) *Watch the following clip:*

<https://www.youtube.com/watch?v=ty2Za-O9h6w>

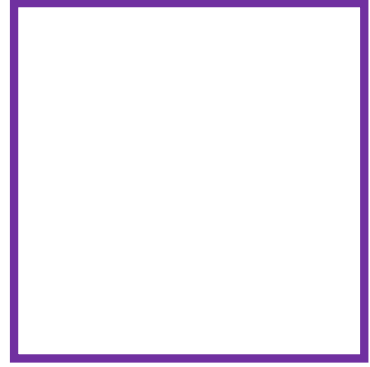
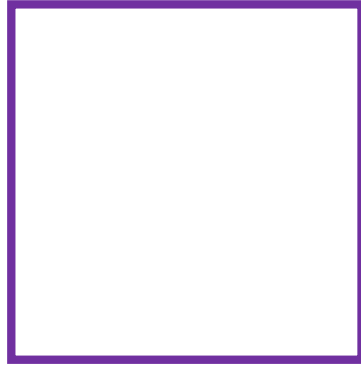
2) *What are the three categories of rocks?*

Add a picture of each category and label the name.

A large, empty square box with a purple border, intended for drawing a picture of a rock category.A large, empty square box with a purple border, intended for drawing a picture of a rock category.A large, empty square box with a purple border, intended for drawing a picture of a rock category.

OPTION 1: Go into your garden and find some rocks.

Draw a picture or take a photo and write the type of rock you think it is and why?



Type:

Reason:

OPTION 2: Imagine you have to tell people all about Uluru.

What would you show them (a photograph, draw a picture)?

*What key information would you include (location, type of rock,
which culture it is sacred to)?*

Unit 30



z zz s se zebra puzzle bears cheese

List Words

- zip _____
- does _____
- toys _____
- zero _____
- zebra _____
- these _____
- those _____
- close _____
- always _____
- busy _____
- easy _____
- please _____
- use _____
- used _____
- size _____
- prize _____
- visit _____
- who's _____
- whose _____
- thousand _____
- because _____
- lazy _____
- fuzzy _____
- frizzy _____
- sizzle _____

Grapheme Chart

letters	words



1 Circle the letters that represent **z zz s se** in the List Words.

2 Write any other letters that can represent **z zz s se** on the Grapheme Chart. Write one word example for each.

3 Write one stroke for every sound in each List Word.

4 Write a rhyming word for each of these words. Colour the box if the pairs have the **z zz s se** sound in them.

does

these

sister

nurse

use

5 Write List Words to match the clues.

5 sounds, 5 letters, **z zz s se** is the first sound. _____

3 sounds, 4 letters, **z zz s se** is the second sound. _____

5 sounds, 7 letters, **z zz s se** is the fifth sound. _____

6 sounds, 8 letters, **z zz s se** is the third sound. _____

6 Rewrite the words in brackets adding **s** or **es** to finish the sentences. Colour all the letters that represent **z zz s se** in the words. Go to Helpful Hints 3, 4 and 5.

Buzz always wins the prizes for the _____ (quiz)

Please be careful carrying all those _____ (knife)

The farmer grew a thousand _____ (potato)

We have sausage sizzles at all our _____ (party)

Who _____ all those fuzzy toys? (buy)

These two shoes are different _____. (size)

7 Finish the sentences with *whose* or *who's*.

★ *Whose* means *belonging to*, and *who's* is short for *who is* or *who has*.

_____ toys are those?

_____ coming to visit me?

_____ been to see the zebras at the zoo?

8 Write the meaning for each prefix.

➤ Go to Activity 10 on page 27, Activity 9 on page 37 and Activity 11 on page 43.

mid can mean _____ **un** can mean _____

mis can mean _____ **over** can mean _____

9 Write words with the prefixes in Activity 8 that match these meanings.

do too much _____ opposite of tidy _____

middle of the night _____ coat worn over clothes _____

lead the wrong way _____ use the wrong way _____

10 Write antonyms for these words. Use List Words.

➤ Go to Helpful Hint 10.

unzip _____ unused _____ open _____

difficult _____ never _____ straight _____

11 Write synonyms for these words. Use List Words.

➤ Go to Helpful Hint 11.

none _____ cook _____ simple _____

active _____ trophy _____ fluffy _____

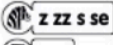

12 Write all the List Words from **t** to **z** in alphabetical order.

1. _____ 2. _____ 3. _____ 4. _____

5. _____ 6. _____ 7. _____ 8. _____

9. _____ 10. _____ 11. _____ 12. _____


s si
treasure
television

13 Colour the parts with  words *green*.
Colour the parts with  words *purple*.



Unit 30



z zz s se zebra puzzle bears cheese

List Words

zip	3
does	3
toys	3
zero	4
zebra	5
these	3
those	3
close	4
always	5
busy	4
easy	3
please	4
use	3
used	4
size	3
prize	4
visit	5
who's	3
whose	3
thousand	6
because	5
lazy	4
fuzzy	4
fizzy	5
sizzle*	5

Grapheme Chart

letters	words

1 Circle the letters that represent **z zz s se** in the List Words.

2 Write any other letters that can represent **z zz s se** on the Grapheme Chart. Write one word example for each.



3 Write one stroke for every sound in each List Word.

4 Write a rhyming word for each of these words. Colour the box if the pairs have the **z zz s se** sound in them.

does

these

sister

nurse

use



5 Write List Words to match the clues.

5 sounds, 5 letters, **z zz s se** is the first sound.

zebra

3 sounds, 4 letters, **z zz s se** is the second sound.

easy

5 sounds, 7 letters, **z zz s se** is the fifth sound.

because

6 sounds, 8 letters, **z zz s se** is the third sound.

thousand

6 Rewrite the words in brackets adding **s** or **es** to finish the sentences. Colour all the letters that represent **z zz s se** in the words. Turn to 3, 4 and 5 page 78.

Buzz always wins the prizes for the **quizzes**. (quiz)

Please be careful carrying all those **knives**. (knife)

The farmer grew a thousand **potatoes**. (potato)

We have sausage sizzles at all our **parties**. (party)

Who **buys** all those fuzzy toys? (buy)

These two shoes are different **sizes**. (size)

7 Finish the sentences with *whose* or *who's*.

★ *Whose* means *belonging to*, and *who's* is short for *who is* or *who has*.

Whose toys are those?

Who's coming to visit me?

Who's been to see the zebras at the zoo?

8 Write the meaning for each prefix.

➤ Turn to Activity 10 on page 27, Activity 9 on page 37 and Activity 11 on page 43.

mid can mean middle of **un** can mean the opposite of / not

mis can mean wrong **over** can mean above / beyond / too much

9 Write words with the prefixes in Activity 8 that match these meanings.

do too much overdo opposite of tidy untidy

middle of the night midnight coat worn over clothes overcoat

lead the wrong way mislead use the wrong way misuse

10 Write antonyms for these words. Use List Words.

➤ Turn to 10 page 79.

unzip zip unused used open close

difficult easy never always straight frizzy

11 Write synonyms for these words. Use List Words.

➤ Turn to 11 page 79.

none zero cook sizzle simple easy

active busy trophy prize fluffy frizzy

12 Write all the List Words from t to z in alphabetical order.

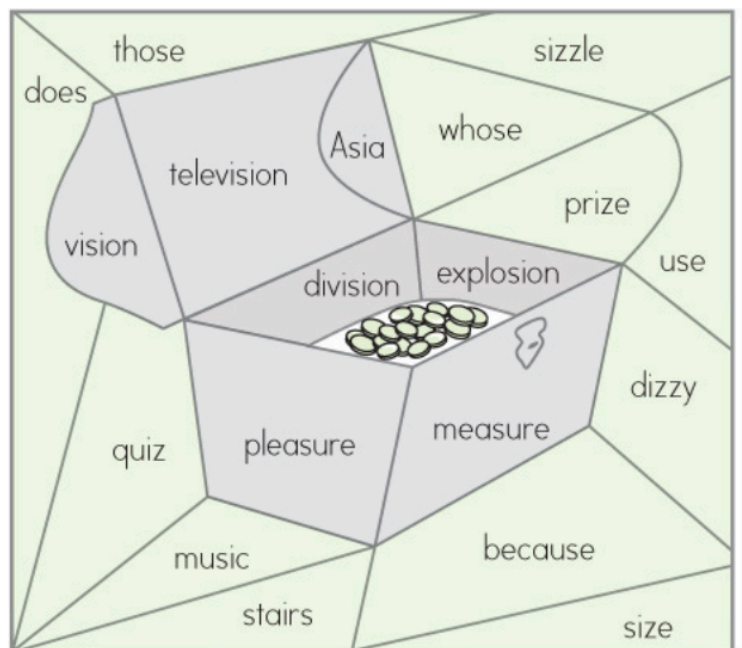
1. these 2. those 3. thousand 4. toys

5. use 6. used 7. visit 8. who's

9. whose 10. zebra 11. zero 12. zip



13 Colour the parts with **z z z s se** words *green*.
Colour the parts with **s si** words *purple*.



➤ For the Extra Challenge turn to page 83.

PDHPE – Can you hit the goal?



Aim:

Your Mission if you choose to accept it is to see how many goals you can get around your house.

Participants:

1 or more people

Equipment:

- Sauce pans
- Strainers
- Bowls
- A pair of sock rolled into a ball

Instructions:

1. Choose approximately 6 different size bowls, pans and strainers
2. Place them around the house in different positions
3. Choose a pair of rolled up socks
4. Stand at 2m from each goal when shooting, and take a shot
5. Add up your points and see how many you can gain
6. Add up your score
7. Once you are finished change up the rules and add some tricky shots in for extra points.

SCORE CARD

Target	Player 1 Score	Player 2 Score	Player 3 Score	Player 4 Score
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				

Winning Player and score: _____



Lesson 92 • Lookout London

Name _____

Making Inferences

To make inferences while reading, we have to use clues in the text. The clues help us find the answers that are hiding in the text.

Read the passage.

Hello Will and Vika. You are needed urgently in London, England. Charles E. Worthington needs your help. Something very important is missing. Do not delay. In the corner of the room, under this junk, you will find a parcel containing two transporter wristbands. You must wear these wristbands at all times. They allow you to travel at the blink of an eye and they will keep us in contact.

Remember, this mission is Top Secret. Do not tell anyone you are SWAT agents. You must leave at once.

Circle the word that is the clue to question 1's answer.

Underline the phrase that is the clue to question 3's answer.

Highlight the sentence that helps to answer question 5.

Colour two things the wristbands can do.

Colour the correct answer.

- Which is the best **inference**? Will and Vika are in a ...
 - neat room.
 - grand room.
 - big room.
 - messy room.
- Which word is the **clue** to question 1's answer?
 - parcel
 - junk
 - important
 - corner
- How long will it take Will and Vika to get to London?
 - hours
 - weeks
 - days
 - seconds
- Which phrase is the **clue** to number 3's answer?
 - the blink of an eye
 - Do not delay
 - at all times
 - allow you to travel
- What is the most likely reason Charles E. Worthington needs Will and Vika's help?
 - to find out what's missing
 - to find what's missing
 - to learn about being a SWAT agent
 - to find a parcel

Lesson 92 • Lookout London



Name _____

Read the passage.

Underline Charlie's description of the West End.

Circle the word that means *lots of activity and movement*.

Once across the park they took a shortcut through some of London's old and narrow cobbled laneways. They came out at Piccadilly Circus. "This part of the West End is the world's theatre capital," said Charlie. There were signs everywhere saying what was on, what was coming and who was starring. It was a bustle of restaurants, cafes, theatres and cinemas. The three of them walked over to a half-price ticket booth. The lady recognised Charlie straight away.

Colour the places that people can visit in the West End.

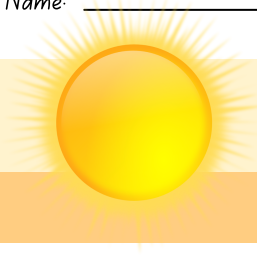
Put a box around the key word that is the clue to question 4's answer.

1 We can **infer** that many actors work in the West End. What is the **clue**?

2 What does the word *bustle* **suggest** about the kind of place the West End is?

3 What does the passage **suggest** about the kinds of things people can do in the West End?

4 How can we tell that Charlie had probably been to the half-price ticket booth before?



Connotation, Imagery and Symbol

COMPARISONS

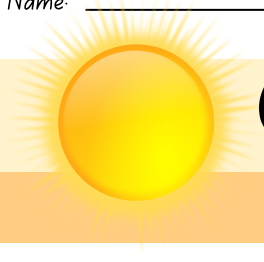


*Down the track, towards the beach
beyond the ocean, out of reach
cream cake layers meet the eye
spread between the sea and sky
orange jelly, jam and sponge
down towards the brine they plunge
where each begins it's hard to tell
the line betwixt the sky and swell*



1 After listening to the story:

- Write down any words that are new to you in your workbook.
- Look these words up in a dictionary and write down what they mean.



Connotation, Imagery and Symbol

DESSERT SKY



In 'A dessert sky', the sky is being compared to a dessert. Look at the picture and write your responses in your workbook.

1

Does the sky look like something else? What does it remind you of?

2

What would the clouds feel like?

3

Write at least 3 sentences comparing this sky to something else. You can start your sentence with: 'The sky is like...'

Adding 3-Digit and 2-Digit Numbers - No Carrying

Calculate the answers to the following:

$$\begin{array}{r} 534 \\ + 45 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 213 \\ + 62 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 304 \\ + 84 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 672 \\ + 16 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 130 \\ + 56 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 802 \\ + 92 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 529 \\ + 50 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 281 \\ + 17 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 552 \\ + 36 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 607 \\ + 72 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 628 \\ + 21 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 327 \\ + 51 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 474 \\ + 15 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 153 \\ + 44 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 371 \\ + 22 \\ \hline \\ \hline \end{array}$$

Calculate the following calculations:

$$\begin{array}{r} 4 \quad \underline{\quad} 2 \\ + 15 \\ \hline 467 \end{array}$$

$$\begin{array}{r} \quad \underline{\quad} 53 \\ + 4 \quad \underline{\quad} \\ \hline 796 \end{array}$$

$$\begin{array}{r} 8 \quad \underline{\quad} 8 \\ + 21 \\ \hline 84 \quad \underline{\quad} \end{array}$$

Adding 3-Digit and 2-Digit Numbers - With Carrying

Calculate the answers to the following:

$$\begin{array}{r} 673 \\ + 18 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 457 \\ + 25 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 304 \\ + 69 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 615 \\ + 38 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 149 \\ + 16 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 805 \\ + 85 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 672 \\ + 42 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 581 \\ + 67 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 292 \\ + 36 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 670 \\ + 72 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 662 \\ + 75 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 387 \\ + 51 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 476 \\ + 45 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 158 \\ + 74 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 379 \\ + 26 \\ \hline \\ \hline \end{array}$$

Calculate the following calculations:

$$\begin{array}{r} 3 \quad \underline{\quad} 2 \\ + 55 \\ \hline 437 \end{array}$$

$$\begin{array}{r} \quad \underline{\quad} 47 \\ + 4 \quad \underline{\quad} \\ \hline 796 \end{array}$$

$$\begin{array}{r} 8 \quad \underline{\quad} 8 \\ + 65 \\ \hline \quad \underline{\quad} 4 \end{array}$$

Subtracting 2-Digit Numbers from 3-Digit Numbers No Exchanging

Calculate the answers to the following:

$$\begin{array}{r} 479 \\ - 18 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 337 \\ - 25 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 584 \\ - 61 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 478 \\ - 38 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 748 \\ - 16 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 563 \\ + 12 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 652 \\ - 32 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 569 \\ - 67 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 298 \\ - 36 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 677 \\ - 72 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 697 \\ - 75 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 387 \\ - 51 \\ \hline \\ \hline \end{array}$$

Calculate the following calculations:

$$\begin{array}{r} 3 \underline{\quad} 7 \\ - 5 \\ \hline 302 \\ \hline \end{array}$$

$$\begin{array}{r} 54 \underline{\quad} \\ - \underline{\quad} 2 \\ \hline 515 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \underline{\quad} 8 \\ - 6 \\ \hline 833 \\ \hline \end{array}$$

Subtracting 2-Digit Numbers from 3-Digit Numbers With Exchanging

Calculate the answers to the following:

$$\begin{array}{r} 343 \\ - 18 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 641 \\ - 25 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 472 \\ - 67 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 473 \\ - 38 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 620 \\ - 16 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 364 \\ + 46 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 415 \\ - 33 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 528 \\ - 67 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 126 \\ - 31 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 673 \\ - 82 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 607 \\ - 64 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 916 \\ - 53 \\ \hline \\ \hline \end{array}$$

Calculate the following calculations:

$$\begin{array}{r} 2 \underline{\quad} 2 \\ - 3 \\ \hline 220 \\ \hline \end{array}$$

$$\begin{array}{r} 47 \underline{\quad} \\ - 4 \\ \hline 449 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \underline{\quad} 1 \\ - 6 \\ \hline 24 \\ \hline \end{array}$$

Adding Two 3-Digit Numbers - No Carrying

Calculate the answers to the following:

$$\begin{array}{r} 273 \\ + 514 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 451 \\ + 225 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 304 \\ + 463 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 615 \\ + 172 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 153 \\ + 716 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 805 \\ + 102 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 572 \\ + 213 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 531 \\ + 267 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 202 \\ + 236 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 370 \\ + 116 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 622 \\ + 375 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 312 \\ + 251 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 476 \\ + 403 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 155 \\ + 234 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 371 \\ + 628 \\ \hline \\ \hline \end{array}$$

Calculate the following calculations:

$$\begin{array}{r} 4 \underline{\quad} 2 \\ + \quad 3 \underline{\quad} \\ \hline 437 \\ \hline \end{array}$$

$$\begin{array}{r} 941 \\ + \quad 4 \underline{\quad} \\ \hline 9 \underline{\quad} 6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \underline{\quad} 5 \\ + \quad 22 \\ \hline 74 \underline{\quad} \\ \hline \end{array}$$

Adding Two 3-Digit Numbers - With Carrying

Calculate the answers to the following:

$$\begin{array}{r} 323 \\ + 518 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 607 \\ + 228 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 507 \\ + 463 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 319 \\ + 142 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 257 \\ + 706 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 505 \\ + 109 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 672 \\ + 243 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 591 \\ + 367 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 572 \\ + 336 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 760 \\ + 615 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 822 \\ + 345 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 912 \\ + 461 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 476 \\ + 485 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 655 \\ + 738 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 379 \\ + 648 \\ \hline \\ \hline \end{array}$$

Calculate the following calculations:

$$\begin{array}{r} 5 \quad \underline{\quad} 8 \\ + \quad 3 \quad \underline{\quad} \\ \hline 1487 \end{array}$$

$$\begin{array}{r} 641 \\ + \quad 7 \quad \underline{\quad} \\ \hline 12 \quad \underline{\quad} 4 \end{array}$$

$$\begin{array}{r} 4 \quad \underline{\quad} 5 \\ + 878 \\ \hline 1 \quad \underline{\quad} 5 \quad \underline{\quad} \end{array}$$

Addition and Subtraction 4-Digit Worded Calculations

Learning Outcome: I can use the correct calculation to solve the problems.

1. What number is three thousand and six more than four thousand, six hundred and ninety-five?
2. Subtract 6725 from 8053.
3. What number is four thousand, three hundred and forty more than five thousand and seventy-six?
4. Calculate the difference between three thousand, two hundred and twelve, and two thousand and forty-six.
5. Add \$23.71 to \$78.46.
6. What number is 5002 less than 7001?
7. Increase \$76.83 by \$22.71.
8. What number is the sum of six thousand and sixty and two thousand, four hundred and thirteen?
9. Decrease 2973 by 628.
10. What is added to \$45.62 to make \$87.00?
11. What number is four thousand, six hundred and twelve minus nine hundred and sixty?
12. Take \$6712 from \$8000.
13. If I increase a number by 2097 and get 4651, what number did I start with?
14. Add together 5892 and 3015, then subtract 6719.
15. How much smaller is 4237 than 5138?

Challenge

Using the digits 1-8, how many different ways can the digits be arranged to make 2 numbers whose sum is 9999?

Problem Solving Tic-Tac-Toe

I can solve division problems using written strategies involving large numbers and remainders.

<p>76 children and 354 adults want to ride the roller coaster. Each roller coaster holds 33 passengers. How many times will the roller coaster need to run so everyone gets one turn?</p> <hr/>	<p>Jessie is making rolls. She has 1,298 grams of flour. She drops 426 grams on the floor. Each roll needs 53 grams of flour. How many can she make?</p> <hr/>	<p>A school has \$4374 to spend on new IT equipment. If each webcam costs \$94, how many can the school afford to buy?</p> <hr/>
<p>There is a crowd of 811 adults and 321 children to ride the elevator to the top of Centrepoint Tower. If each elevator holds 19 people, how many times will the elevator need to ride to get everyone to the top?</p> <hr/>	<p>Jake has saved \$1782 to spend on figurines. If each figurine costs \$87, how many can he afford to buy?</p> <hr/>	<p>An ice cream shop has 4803 litres of ice cream in stock. How many 11 litre barrels of ice cream can the shop fill after the staff eat 14 litres?</p> <hr/>
<p>Rosie's egg farm has produced 3712 eggs. How many one dozen cartons can she fill?</p> <hr/>	<p>Harry and his friends want to visit the cinema on Friday. They have \$211. Each ticket costs \$18. How many tickets can they afford to buy after spending \$62 on popcorn?</p> <hr/>	<p>A party organiser needs 2932 glasses of fresh orange juice. If each bottle of orange juice fills 21 glasses, how many bottles will the organiser need to buy?</p> <hr/>

ROCK DROP

What is a ROCK DROP?

A 'rock drop' is a pay it forward type gesture for children (and adults) of all ages. Basically, you paint a few rocks with the sole intention of giving, find a local park or playground, then 'hide' your rocks for others to find.



Before hiding your rocks, don't forget to take a photograph of them. Once you have hidden your painted rocks, you then post that picture to your teacher to let other parents, friends or community members know that you have just done a 'ROCK DROP' and tell them the name of the park or playground where you just hid them.



If you find them, you may then choose to either hide them in ANOTHER local park or playground for more children to find, OR you can keep your found treasures and paint some more rocks to pay the kindness forward.

Are there any Rules:

- The rocks you hide need to be visible.
- For safety, obviously children must go with their parents when hiding AND searching for rocks.
- You should pay the kindness forward.

Rock Painting Ideas and Tips for Kids:

- Pebbles or rocks can be found around your gardens and local parks.
- White or pale ones work best.
- Wash and dry your rocks before use.
- You can choose to paint or draw on the rocks with permanent markers.
- If you don't have any paint brushes you can use cotton buds or Q-tips.
- If you really want to make your rock art last, you may like to give out a quick coat of sealer.
- If you are stuck for ideas just search 'rock painting ideas for kids' on Pinterest. There are literally THOUSANDS of incredible creations out there.





Student Name: _____

Grade: _____ Date: _____



1. Two new **ABBA** songs have just been released. They will be on **ABBA's** new album, which has 10 tracks. How many other song tracks are yet to be released on that album?

2. Find the **SUM** of all the **ODD** numbers between 10 and 15.



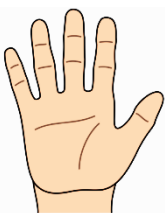
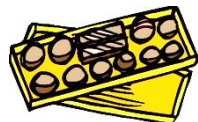
3. At the traffic lights there were 2 trucks with 6 wheels each, and 4 ordinary cars. How many wheels were there on the road at those lights?

4. Ben had 18 coloured pencils. Max had half the number of coloured pencils that Ben had. How many pencils did Max have?



5. Popular children's TV shows at the moment are "Bluey", "Spongebob Squarepants, and "Blaze and the Monster Machines". Which letter of the alphabet is the most used in those TV show titles?

6. Julia gave her dad a box of 50 chocolates for his birthday. The family helped him by eating half of the chocolates. How many were left for her dad?



7. Open-ended Question: Look at your fingers. Guess the length of your middle finger, and of your little finger, in centimetres. Now measure them using your ruler. Were your guesses close? How close?



MATHAROO Worksheet MP – 29 21

Student Name: _____

Grade: _____ Date: _____



1. In the 2020 Paralympics, Australia won 21 Gold medals, 29 Silver and 30 Bronze medals. How many medals is that in total?



2. TV shows this week include "THE MASKED SINGER", "QUESTION EVERYTHING", and "MAKING IT". What FRACTION of ALL the letters in those titles is the letter "T"?

3. A recent survey found that each Australian will, on average, spend 27 years of his / her entire life online. In each week, some Aussies spend 55 hours online. At that rate, how many hours per week are those people NOT spending online?



4. **AMAZING!** In readiness for Halloween, one potato chip maker has created 2 new glow-in-the-dark packages. They are labelled "Sour SCREAM & Onion" and "OOOORIGINAL". If each package holds 138 grams of chips, what would be the total weight of chips in 3 tubes of EACH chip type?

5. On the TV show "THE BLOCK", one team was caught cheating. They could have been awarded 10 points, but, due to poor workmanship, they lost 3 points. THEN, because of their cheating, they lost another 2 points. How many points did they get for that week's renovation?



midnight

6. In the word "midnight", what FRACTION of the letters are SILENT LETTERS?

7. An ABBA TV special ran for an hour last week. 22 minutes of that time was spent on TV commercials. So, how many minutes of ACTUAL program were there?

ABBA

CHEAP

8. Last week, strawberries were selling for \$2.79 per punnet. This week, they are cheaper: a punnet costs \$1.99. How much cheaper are strawberries this week than last week?

9. Open-ended Question: Someone was heard to say, "Everyone in Australia is watching 'THE VOICE'." Could that be true? If Australia's population is close to 26 million people at the moment, what MIGHT the actual figure be? Give 3 possible answers.



MATHAROO Worksheet UP – 29 21

Student Name: _____

Grade: _____ Date: _____



1. If the ages of the 4 judges in the "The MASKED SINGER" TV program are 34, 27, 42 and 38, find the MEAN (average) age of those judges.



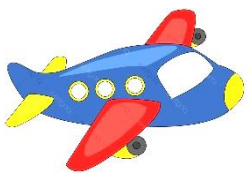
2. Singer Kylie Minogue sold her Aussie house earlier this year for AU\$1.71 million. She had originally bought it in 1990 for \$185,000. If we IGNORE effects of inflation, find the DIFFERENCE between her purchase price and her selling price. (Can we REALLY ignore inflation? Why?)

3. One supermarket has launched a "green toy" campaign, with mini-supermarket shelves, doors, promos, etc. To make it environmentally friendly, they claim that 80% of the plastics used in these toys is made from recycled materials. If so, what weight of non-recycled materials would there be in their toys weighing a total of 12½ kilograms?



4. New Facebook "smart glasses", released last week, feature dual cameras, speakers and a 3-microphone audio array. They sell for \$449 RRP. This compares to some other sunglasses on sale for just \$2.50 a pair. How many of the CHEAPER sunglasses could be bought for the price of one pair of the Facebook specs?

5. TV programs beginning this weekend are "The Masked Singer", "Making It" and "Gogglebox". Of ALL the words in those titles, what FRACTION of those words are ADJECTIVES? Express your answer in simplest terms.



6. Over what distance would an aircraft travel in 5½ hours, if its average speed was 780 kilometres per hour?

7. Emma's dad bought a new suit at a Spring Sale. The usual price of the suit was \$198, but the store gave him a 5% discount. What did the suit actually cost her dad?



8. Stephen eats 125 grams of Weeties each morning. How many kilograms of Weeties will he eat in Spring, in total?

9. Open-ended Question: Two MIXED NUMBERS add up to $8\frac{3}{4}$. What MAY those mixed numbers be? Give 3 possible answers.



Student Name: _____

Grade: _____ Date: _____

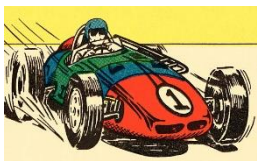
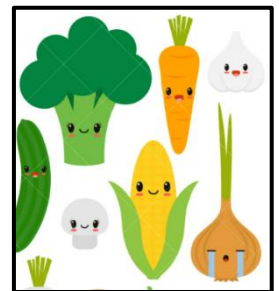


1. A model of a 1966 Volkswagen Beetle is being advertised for \$149.97 plus \$14.99 postage. The model has a scale of 1:24. The model's actual length is 17.8 cm. At that rate, what is the actual **LENGTH** of the **REAL-LIFE CAR**?



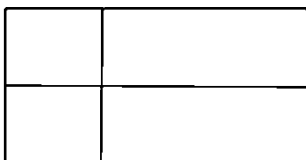
2. "**WE WERE WRONG**", said one supermarket, when they accidentally advertised a 750 gram packet of frozen fish for \$20 per kilogram. They **MEANT** to advertise a price of \$20 per 750 gram box. Find the **DIFFERENCE** in those two prices, for 1 kilogram of fish.

3. Six vegetables that have earned "superfood" status recently are red capsicum, spinach, beetroot, carrot, tomatoes and cauliflower. Some people love them all. Others, not so much. Which are **YOUR** favourites? Give **EACH** of these veggies **YOUR** score out of 10. Then calculate **YOUR** mean, median and mode scores. Are you surprised?



4. In the recent Belgian Grand Prix, bad weather caused the event to be stopped after just 2 laps of the 7.004 km long track. The race would **NORMALLY** be over 44 laps. Therefore, what **FRACTION** of the "normal" distance did the winner of this 2021 Belgian Grand Prix cover?

5. To prove how strong one brand of mattress is, a road roller weighing 15 tonnes is driven over that mattress. If the **ACTUAL** weight of that roller can vary by 5% over or under the 15 tonnes, find the possible minimum and maximum weight of that vehicle.



6. Look carefully at the diagram on the left. Count the number of rectangles in the diagram. (Remember, they may not all be the same size!) How many rectangles do you see?

7. Zach has a collection of 400 postage stamps. Three-fifths of them are Australian, while the rest are British stamps and New Zealand stamps. One eighth of the stamps that are not Australian, are British. How many New Zealand stamps does Zach have in his collection?



8. **OPEN-ENDED QUESTION:** The **PERIMETER** of a **SCALENE**- shaped triangular paddock is 296.407 metres. What **MAY** be its side lengths?



Matharoo ANSWER SHEET

for Matharoo 29 21 sheets for week beginning 13th September, 2021

ANSWERS – Matharoo **Lower-Primary** Worksheet LP 29 21

1. 8 songs
2. 24
3. 28 wheels
4. 9 pencils
5. E (7 times)
6. 25 chocolates
7. Various answers

XX

ANSWERS – Matharoo **Mid-Primary** Worded Worksheet MP 29 21

1. 80 medals
2. 4/41
3. 113 hours
4. 828 grams altogether
5. 5 points
6. $2/8 = 1/4$
7. 38 minutes
8. 80 cents
9. Various answers

XX

ANSWERS – Matharoo **Upper-Primary** Worded Worksheet UP 29 21

1. 35.25 years = $35\frac{1}{4}$
2. \$1,525,000
3. 2.5 kilograms
4. 179 pairs
5. $1/6$
6. 4,290 kilometres
7. \$188.10
8. 11.375 kg = 11 kg 375 gm
9. Various answers

XX

ANSWERS – Matharoo **Extension** Worded Worksheet EW 29 21

1. 4.272 metres long
2. \$5
3. Various answers
4. $2/44 = 1/22$
5. Minimum: 14,250 kg Maximum 15,750 kg
6. 9 rectangles (It CAN be a bit tricky!!)
7. 140 New Zealand stamps
8. Various answers