Learning at Home

Booklet 8

Term 4, Week 2

(11th October – 15th October)

Year 6

Name: _____

Class: _____

Stage 3 Online Resources

Mangahigh
https://www.mangahigh.com
Teachers have assigned work for students and once this is completed they can free play at their own level. A great, fun resource to practice key concepts.

Literacy Pro
https://slz04.scholasticlearningzone.com/resources/dp-int/dist/#/login3/student/AUSXD8C
All students have an online account set up for Literacy Pro. Teachers have assigned work for students to complete. They can read books of their choice and complete the quiz.

Scholastic Learn at Home
https://classroommagazines.scholastic.com/support/learnathome.html
Scholastic have put together packages which include books and videos designed to build knowledge of a subject.

Go Noodle: At Home
https://family.gonoodle.com/
Copy the routines from the clip for physical activity inside.

National Geographic: For Kids
https://www.natgeokids.com/au/category/kids-club/
Navigate your way around this website to find information.

Read Theory
https://readtheory.org/auth/login
Login to complete your reading and comprehension tasks

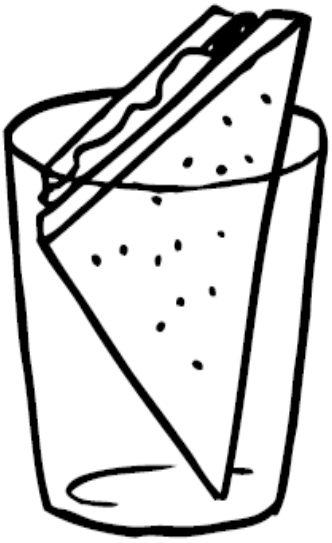
ABC Education
https://education.abc.net.au/home#!/resources/-/all/all/all
Select appropriate year level at the top and choose your area of learning.

Kids News
https://www.kidsnews.com.au
Great site for kid's news articles and learning about different animals and events.

Year 6 Timetable - Week 2

Monday	Tuesday	Wednesday	Thursday	Friday
Task 1: Reading *Nonsense Poems* Highlight technical language and find meanings	**Task 1: Reading** *Nonsense Poems* Find the visual clues and highlight them in yellow	**Task 1: Reading** *Nonsense Poems* Identify the purpose of the text using vocabulary	**Task 1: Reading** *Nonsense Poems* Summarise the main idea of the passage	**Task 1: Reading** *Nonsense Poems* Answer the questions and draw something
Task 2: Spelling Look Cover Write Check Spelling Activities: definitions, word builders and fancy font	**Task 2: Spelling** Look Cover Write Check Spelling Activities: Synonyms, antonyms, unjumble words, pictures	**Task 2: Spelling** Look Cover Write Check Spelling Activities: Syllables and comic strip	**Task 2: Spelling** Look Cover Write Check Spelling Activities: Rhyming words, boggle and create a word web	**Task 2: Spelling** Look Cover Write Check Spelling Activities: Number code and spelling test
Task 3: Writing: Correct the spelling mistakes Powerful adjectives 'Alphabet Scoop' Character writing activity	**Task 3: Writing** Dictionary Scavenger Hunt Powerful adjectives (part 2) Poetry: Character Haiku	**Task 3: Writing** Quick Writing task (15 minutes) Similes Revision activity Imaginative paragraph using similes	**Task 3: Writing** Spot the Mistake-sentence correction Personification matching Spring Poem personification activity	**Task 3: Writing** Personification passage Finish the metaphor or simile Magical writing: descriptive paragraphs
Task 4: Maths Drills Day 1	**Task 4: Maths Drills** Day 2	**Task 4: Maths Drills** Day 3	**Task 4: Maths Drills** Day 4	**Task 4: Maths Drills** Day 5
Task 5: Word Problems Volume and capacity word problems	**Task 5: Word Problems** Volume and capacity word problems	**Task 5: Word Problems** Volume and capacity word problems	**Task 5: Word Problems** Volume and capacity word problems	**Task 5: Word Problems** Volume and capacity word problems
Task 6: Mathematics Millilitres to Litres (Poster as a guide)	**Task 6: Mathematics** Calculating Volume	**Task 6: Mathematics** Cubic cm to cubic m	**Task 6: Mathematics** Figuring out Volume	**Task 6: Mathematics** Displacement
Geography: *Create your own Island Project*				
Task 1 Name and map your island	**Task 2 & 3** Create a flag for your island		**Task 4** Develop your island	
Optional Tasks These tasks can be completed at any time during the week.				
Visual Arts Dandelion wishes	**Visual Arts** Drawing a face	**Science** Optical Illusions	**PDHPE** Ways to be more active at home	**Mindfulness** *Be Bold, Be Brave, Be You* colouring in page

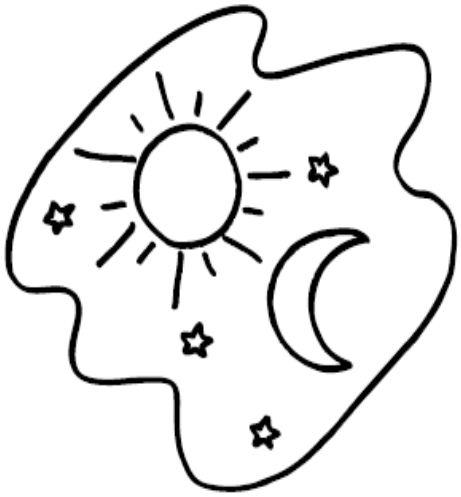
Nonsense Poems



On the thirty third of Januaugust,
right before October,
a strange thing didn't happen
that I always won't remember.

At eleven in the afternoon,
while making midnight brunch,
I poured a glass of sandwiches
and baked a plate of punch.

Then I climbed up on my head to see
the silver sky of green,
and danced around my feet because
I'd turned eleventeen.



A parade began to end
and music started not to play,
as rain came out and snowed all night
that warm and sunny day.

That was how it didn't happen
as I keenly don't remember,
on the thirty third of Januaugust,
right before October.

Comprehension Corner – MONDAY ACTIVITY

Nonsense Poems (passage is located at start of the wk)

WALT: to highlight technical languages or terms and find their meaning

Read the text aloud and think about the language used. Where are the examples of technical language in the text? Highlight in RED.

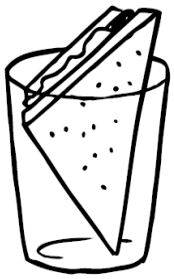
What other language features are used in the text and how are they effective?

Think about what you already know about the topic to help you understand this text.

Identify words or terms (technical words, scientific words, unknown words) and be 'word detectives' to find or uncover the meaning. Highlight them in GREEN.

Can you read them in a sentence to discover their meaning? Alternatively, look them up and write their meanings below.

Nonsense Poems



On the thirty third of Januaugust,
right before October,
a strange thing didn't happen
that I always won't remember.

At eleven in the afternoon,
while making midnight brunch,
I poured a glass of sandwiches
and baked a plate of punch.

Then I climbed up on my head to see
the silver sky of green,
and danced around my feet because
I'd turned eleventeen.

A parade began to end
and music started not to play,
as rain came out and snowed all night
that warm and sunny day.

That was how it didn't happen
as I keenly don't remember,
on the thirty third of Januaugust,
right before October.

Year 6 Spelling– Look, Cover, Write, Check (T4 Week 2)

Spelling Words	Monday	Tuesday	Wednesday	Thursday	Friday
poem					
rhyme					
simile					
sounds					
verse					
poetic					
metaphor					
stanza					
subject					
keenly					
repeated					
alliteration					
strange					
humour					
nonsense					
hyperbole					
figurative					
repetition					
personification					
onomatopoeia					

****Extension words are highlighted**

SPELLING ACTIVITIES

MONDAY

1. Find the definitions of the following list words.

stanza	
subject	
metaphor	
simile	
personification	
hyperbole	

2. Create word builders for 5 of your list words by adding:

ed s es ing est er ion

List word	Word builder

3. Write your words in a fancy font.

POEM

MONDAY: Writing and Grammar

Correct the SPELLING mistake: *There is 1 spelling error per sentence to find and fix!*

1. **The majican pulled a rabbit out of his hat. _____**
2. **The brite sunshine made me squint. _____**
3. **After my swim training I dried myself with a towle. _____**
4. **I hate waiting; I get so impayshent. _____**
5. **The girl's story was certainly unbelevable. _____**
6. **The likelyhood of it raining tomorrow is considerably high. _____**
7. **It was such a beautiful wedding serimony. _____**
8. **Reserch shows that it is important to exercise _____**

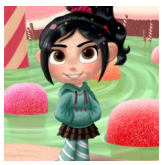
POWERFUL ADJECTIVES!:

- *Add a 'powerful adjective' into each sentence to describe the noun.*
- **You can use the word bank or your own powerful adjectives.*

1. The _____ earthquake shook the ground.
2. The people were _____when the buildings shook.
3. The _____ island lay in the middle of the ocean.
4. The crowd were _____ after watching the film.
5. "I'm _____by what I've done," admitted Cathy.
6. The _____winner jumped for joy at the news.
7. The monster's attempts at hiding were _____.
8. Our new neighbours are _____.

WORD BANK **terrified, flabbergasted, appalled, abysmal, menacing, exquisite, distraught, eccentric, shaken, marvellous, pathetic, delightful, astonished, magnificent, absurd**

MONDAY: Writing and Grammar

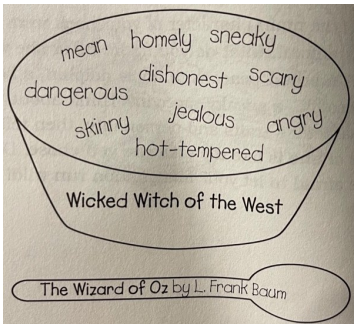


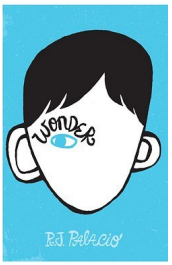
Alphabet "Scoop"

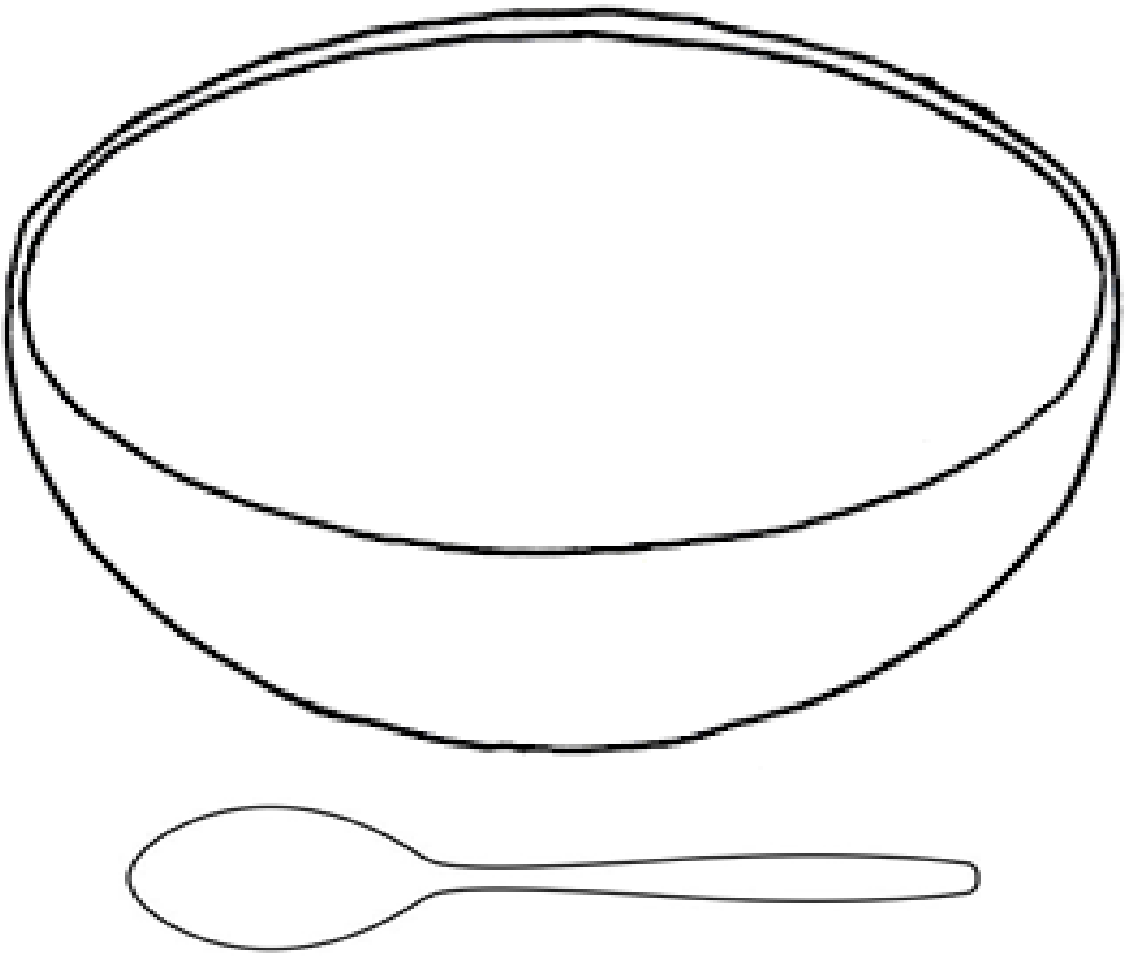
*Choose a **favourite character** from a book you have read or a movie you have watched.

*Fill the bowl with **more than 10 adjectives** to describe his or her personality.

Example:

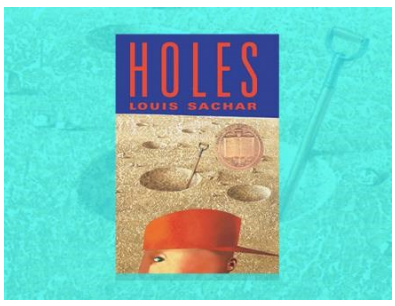


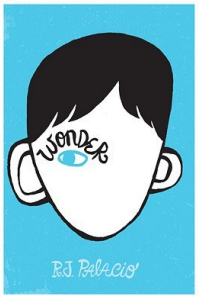




When you have finished, share your "souper" list with someone who has read the same book or watched the same movie and ask them to guess the character that you have described.

Use your '**Alphabet Scoop'** adjectives to create a paragraph describing your chosen character. Be creative and add more interesting information about the character!





Maths Drills Day 1

Whole Number

Write these numbers:

- 1) one hundred and eight
- 2)thirty thousand, eight hundred and five
- 3) nine hundred and seventy five thousand, six hundred and thirteen

1)
2)
3)

Multiplying by 10

Record the number:

- 1) 4 x 10 =
- 2) 11 x 10 =
- 3) 29 x 10 =
- 4) 9.7 x 10 =
- 5) 138.405 x 10 =

1)
2)
3)
4)
5)

Multiplying by 100

- Record the number:
- 1) 6 x 100 =
- 2) 95 x 100 =
- 3) 901 x 100 =
- 4) 5. 605 x 100 =
- 5) 90.283 x 100 =

1)
2)
3)
4)
5)

Ordering Numbers

- Write these numbers in ascending order.

4.5 4 4.05 4.1 4. 238

Addition

1) 97 +

72

---

2) 687 +

299

Adding and Subtracting Fractions

1) 7 ¼ +5 ¼ = _____

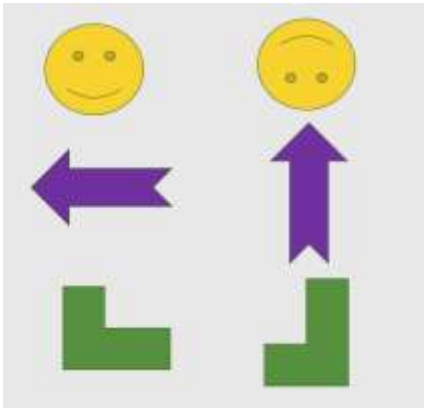
2) 4/10 + 5/10 = _____

3) 9/10 - 3/10 = _____

4) 1 – 3/5 = _____

1)
2)
3)
4)

Translate/Rotate/Reflect



_____

_____

_____

Rounding Numbers

Round these to the nearest whole number:

- 1) 95.54 = _____
- 2) 906.189= _____
- 3) 796.509 = _____

1)
2)
3)

Fractions/Decimals/Percentages

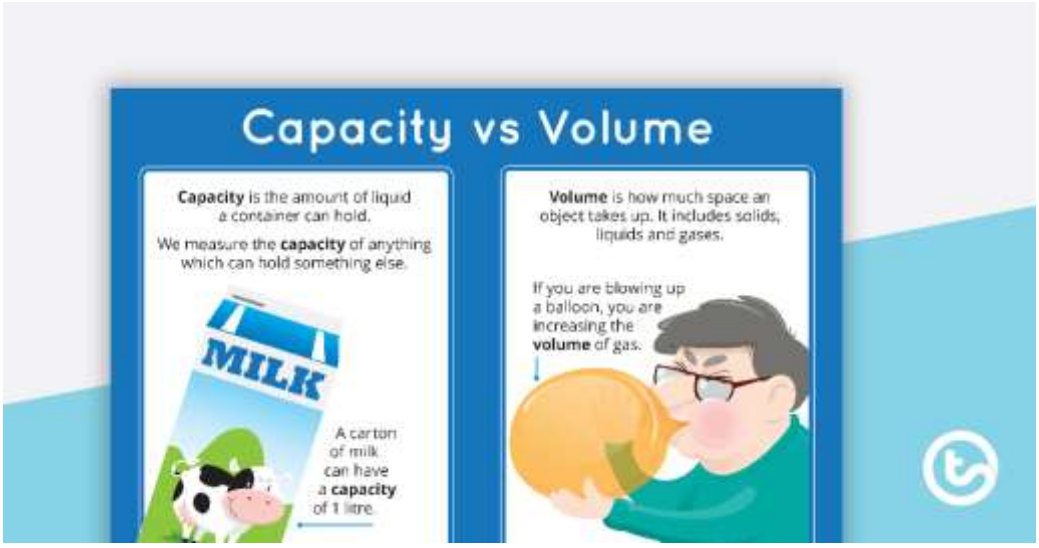
30/100 = 0.3 = 30%

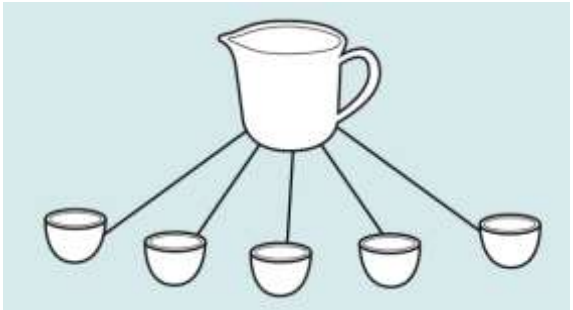
Record the following fractions as a decimal and a percentage:

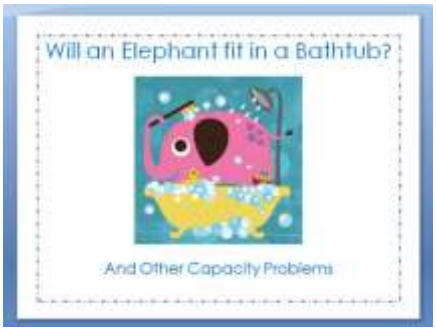
- 1) 1/100 =
- 2) 2/10 =
- 3) 1/3 =

1)
2)
3)

Volume and Capacity Word Problems







Remember: 2 coloured pencils and a lead pencil.
1) Underline the question 2) Circle the key numbers and words
3) Do the maths

MUST DO:

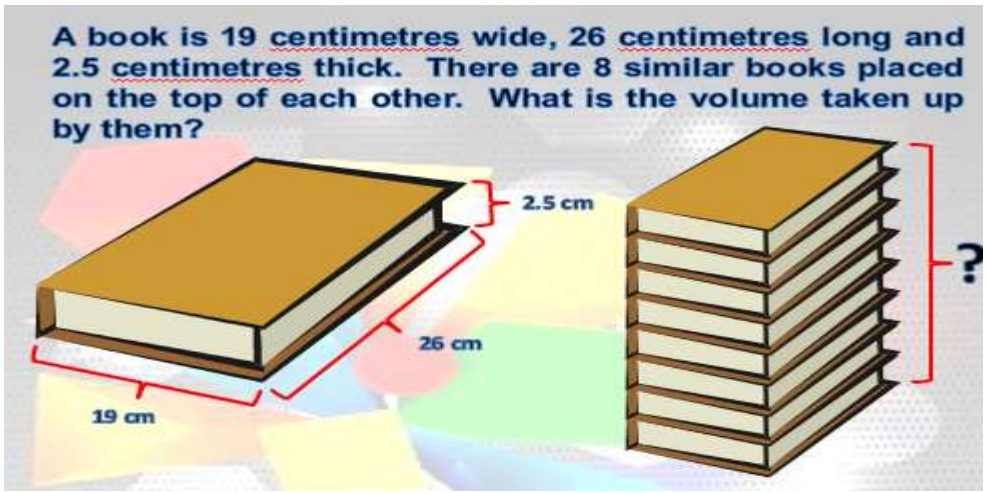
I bought a box from the post office that has a volume of 24 cubic centimeters.

Which of the following could be the dimensions of my box?

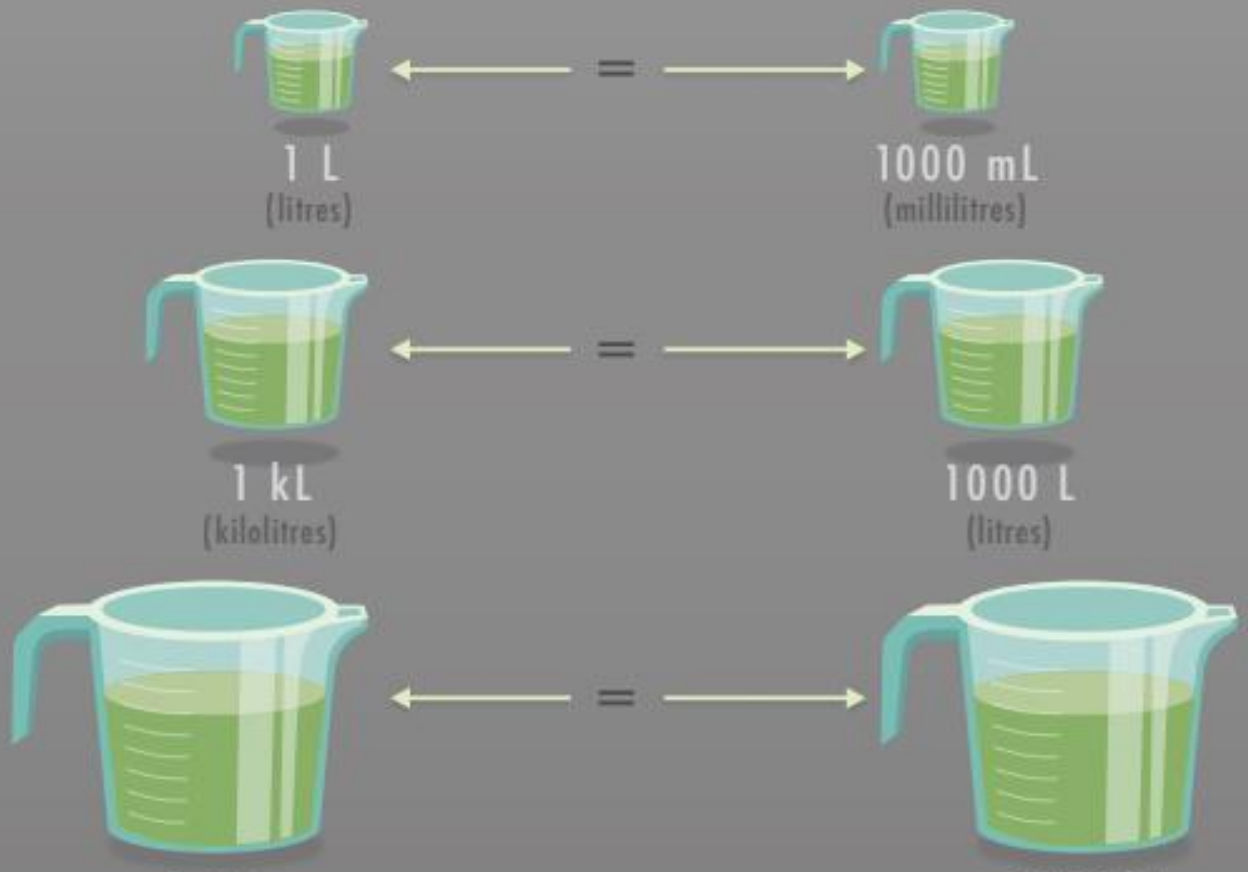
Choose all answers that apply:

- (A) 8 cm long, 1 cm wide, 3 cm high
- (B) 2 cm long, 2 cm wide, 6 cm high
- (C) 10 cm long, 4 cm wide, 10 cm high

CHALLENGE QUESTION:

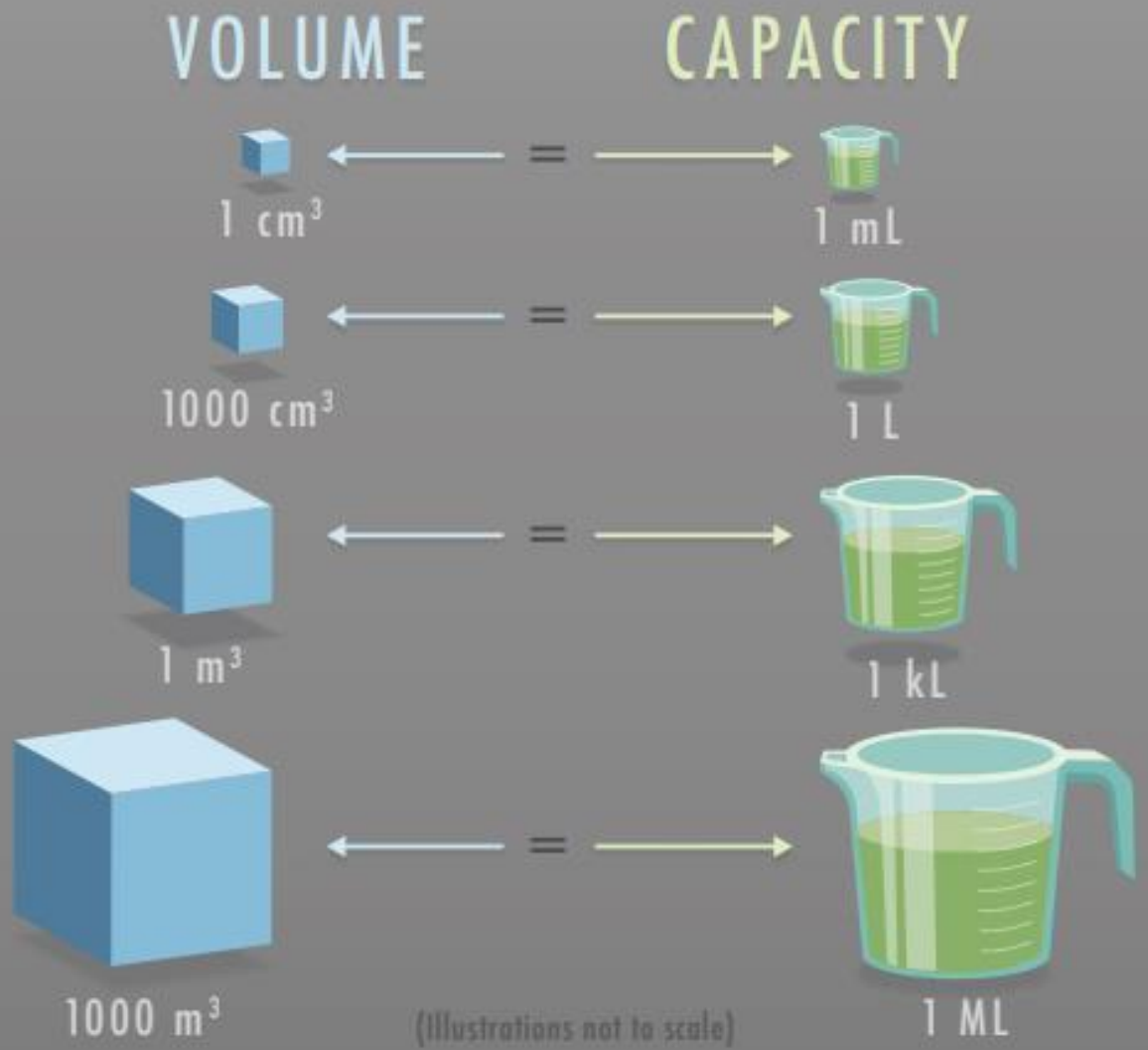


CONVERTING UNITS OF **CAPACITY**



teachstarter

CONNECTING **VOLUME** AND **CAPACITY**



teachstarter

Volume and capacity – millilitres and litres

Capacity refers to the amount a container can hold and is usually associated with liquid.

1 000 millilitres = 1 Litre 1 000 mL = 1 L

1 **When we convert:**

a millilitres to litres we [divide] by [1 000]

b litres to millilitres we [multiply] by [1000]

2 **Express these amounts in litres:**

a 2000 mL = ____ **b** 1500 mL = ____

c 500 mL = ____ **d** 5000 mL = ____

3 **Convert these amounts to millilitres:**

a 8 L = ____ **b** 2.5 L = ____

c 9.5 L = ____ **d** 0.6 L = ____

e 5.5 mL = ____ **f** 0.2 L = ____

4 **Which unit would you use for measuring the capacity of each of these objects?**
Write L for litres or mL for millilitres:

a 2 _____ **b** 5 _____ **c** 1 _____ **d** 300 ____ **e** 4 _____ **f** 250 ____

5 **Colour the jugs to show these quantities:**

a half a litre **b** $\frac{1}{4}$ of a litre **c** $\frac{3}{4}$ of a litre **d** 900 mL

Geography

Create your own Island Project

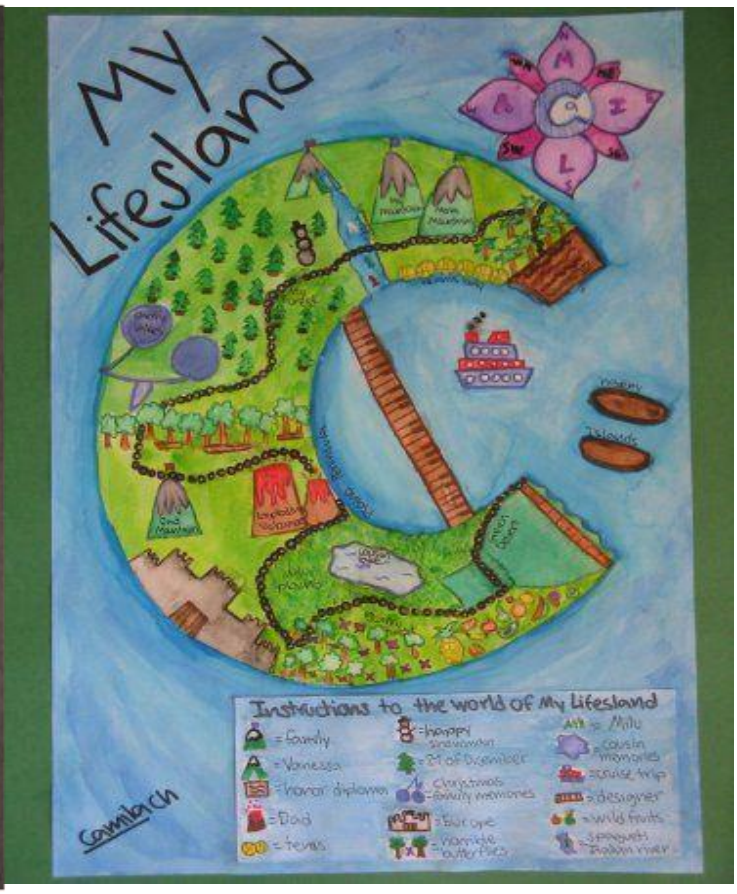
Objective: Using your knowledge of geography and maps, you will create your own island.

Setting: You have found an unknown, abandoned island and are responsible for developing it. After exploring the whole island, you want to claim the island as your own and encourage people to settle there.

Tasks:

- **Name and map your island**
- **Create a flag for your island**
- **Record the purpose of your flag**
- **Develop your island**

Examples:



Task #1 Name and map your island

You have recently discovered a previously unknown and uncharted island. To officially claim your island, you must first name your island and create a map.

Name of your island: _____

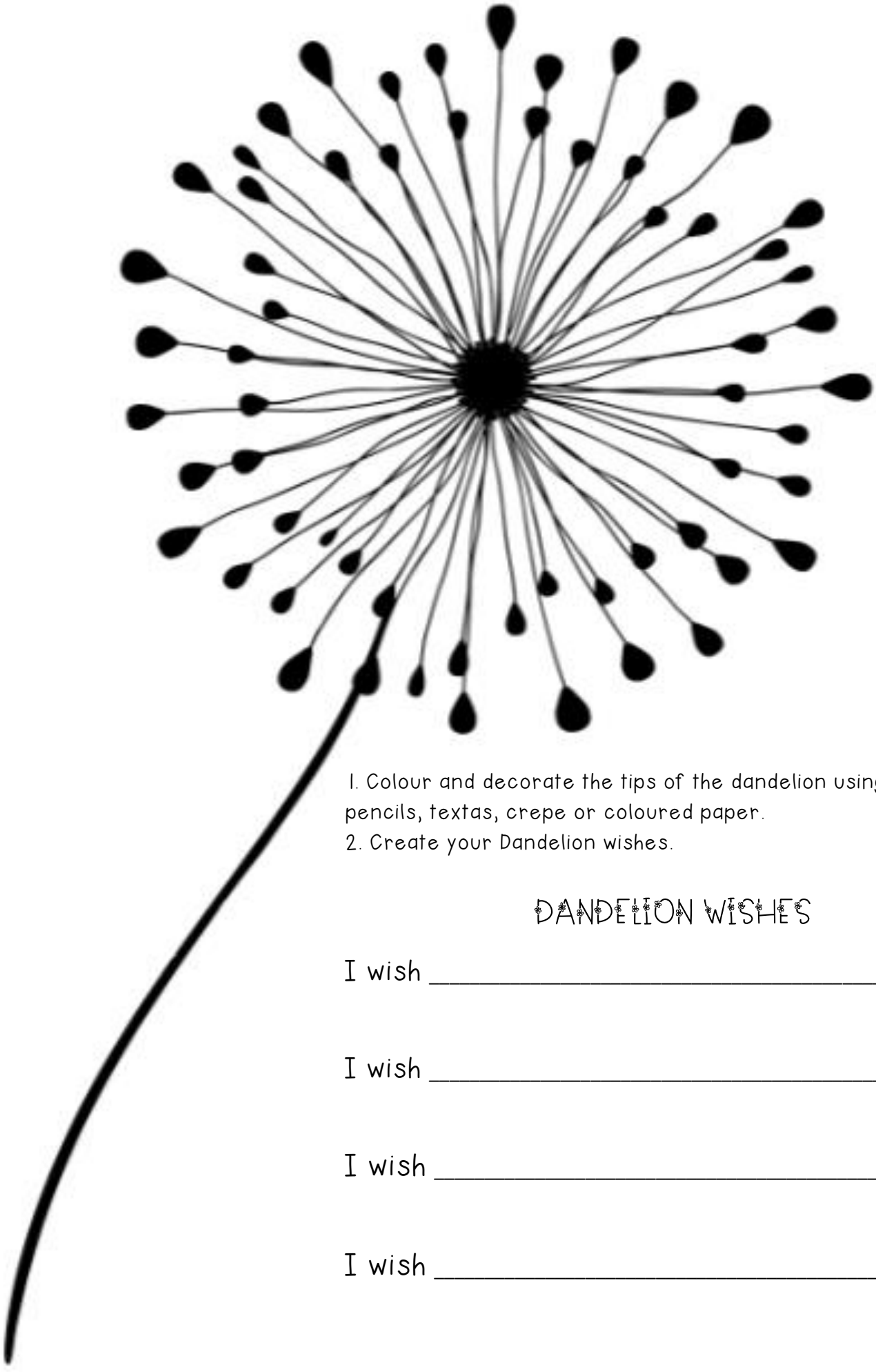
Cartography:

Draw the outline of your island. The island can be in any shape you desire, natural or manmade.

Remember you must include at least 8 of the following geographic features when creating your island. You may use symbols to resemble the geographic features. Be sure to note any symbol you use in a legend.

○ Rainforest ○ Swamp ○ Glacier ○ Volcano ○ Reef ○ Waterfall ○ Desert	○ Forest ○ Mountains ○ Lakes ○ Bay ○ Peninsula ○ Rivers ○ Lagoon

Map of your island



1. Colour and decorate the tips of the dandelion using crayons, pencils, textas, crepe or coloured paper.
2. Create your Dandelion wishes.

DANDELION WISHES

I wish _____

I wish _____

I wish _____

I wish _____

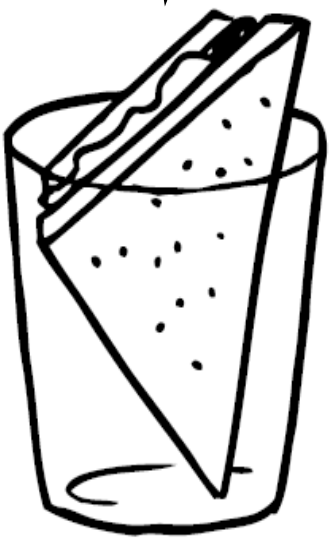
Comprehension Corner – TUESDAY ACTIVITY

Nonsense Poems (passage is located at start of the wk)

WALT: Find visual cues which add more information to the story.

- Read text aloud. Find the visual cues (words/ phrases you can visualise happening) that add more information to the text. Highlight in YELLOW.

How many did you find?!!

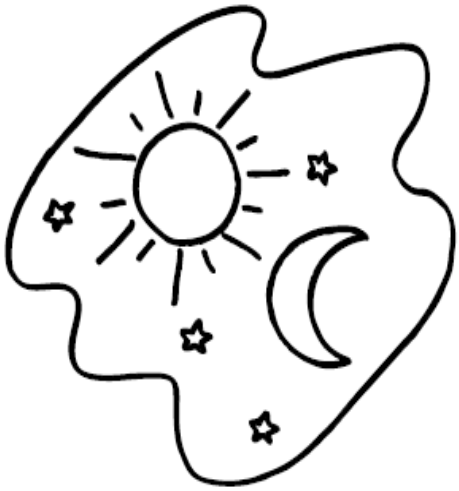


Nonsense Poems

On the thirty third of Januaugust,
right before October,
a strange thing didn't happen
that I always won't remember.

At eleven in the afternoon,
while making midnight brunch,
I poured a glass of sandwiches
and baked a plate of punch.

Then I climbed up on my head to see
the silver sky of green,
and danced around my feet because
I'd turned eleventeen.



A parade began to end
and music started not to play,
as rain came out and snowed all night
that warm and sunny day.

That was how it didn't happen
as I keenly don't remember,
on the thirty third of Januaugust,
right before October.

SPELLING ACTIVITIES

TUESDAY

1. Find synonyms and antonyms for the following list words.

List word	Synonym (same)	Antonym (opposite)
keenly		
humour		
rhyme		
strange		

2. Unjumble the list words and write them in a sentence.

   - ASZANT

   _____

   - TCSJUBE

   _____

   - SOIICATIPONNREF

   _____

   - RVEES

   _____

   - AANMOPOOITE

   _____

3. Draw pictures that represent your list words. E.g. reflection

Tuesday: Writing and Grammar

Dictionary Scavenger Hunt! Use a dictionary to answer these questions:

1. **Write 3 verbs that begin with 'o'**

   _____

2. **Write 3 words that begin with 'wh'**

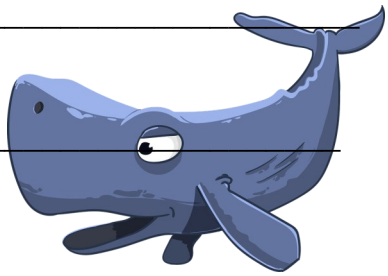
   _____

3. **Where does something live if it is 'aquatic'?** _____
4. **What is a synonym for 'identical'?** _____
5. **What is the definition of 'coincide'?**

   _____

6. **What are you if you are 'domineering'?**

   _____



Powerful Adjectives: Part 2 ***Rewrite and improve these sentences by changing the bold adjective into a powerful and impressive description!***

1. Janine was sitting in a **nice** chair.

_____

_____

2. My mum's new hairstyle was **bad**.

_____

_____

3. The weather today is **not nice.**

_____

_____

4. Lorna's new puppy was **cute**.

_____

_____

Tuesday: Writing and Grammar

Character Haiku

A 'haiku' is an ancient form of Japanese poetry that paints a meaningful picture in just a few words.

Line 1: 5 syllables

Line 2: 7 syllables

Line 3: 5 syllables

Remember- syllables are 'claps'!

Challenge yourself to write some descriptive haikus for characters that you know. (You can use your 'Alphabet Scoop' character).

Examples:

Stuart Little

Tiny, furry, kind
The rodent in the roadster
With a great, big heart.

Harry Potter

Teenage boy wizard
Famous in the magic world
Loyal Gryffindor.

Try some Character Haikus of your own!

Add some drawings!

_____(Title/Character)

_____(5 syllables)

_____(7 syllables)

_____(5 syllables)

_____

_____

_____

_____

_____

_____

_____

_____

Maths Drills Day 2

Expanded Notation

Record the number:

- 1) 600 + 70 + 8
- 2) 9 000 +100 + 90 + 7
- 3)9 000 000 + 100 000 + 1 000 + 600 + 30 + 1

1)
2)
3)

Dividing by 10

Record the number:

- 1) 200 ÷ 10 =
- 2) 780 ÷ 10 =
- 3) 590 ÷ 10 =
- 4) 37 ÷ 10 =
- 5) 681. 05 ÷ 10 =

1)
2)
3)
4)
5)

Dividing by 100

Record the number:

1) 800 ÷ 100 =

2) 260 ÷ 100 =

3) 7 530 ÷ 100 =

4) 91 ÷ 100 =

5) 92. 4052 ÷ 100 =

1)
2)
3)
4)
5)

Time

Record the digital time shown:

1)
2)
3)

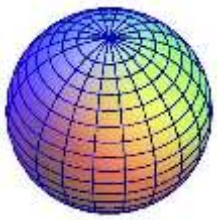
Subtraction

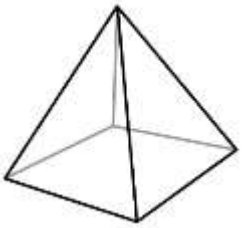
1) 89
- 21
---

2) 705
-638

3D Objects

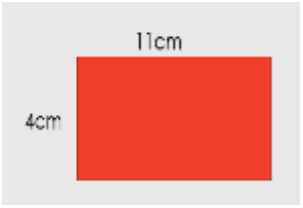
Name these objects:





Perimeter

What is the perimeter of these?



Round to the nearest 10th

- 1) 82.65 =
- 2) 107.53=
- 3) 77.978 =

1)
2)
3)

Fractions to Percentage

30/100 = 30%

Record the following fractions as a percentage:

- 1) 61/100 =
- 2) 2/5 =
- 3) 5/10 =

1)
2)
3)

MUST DO:

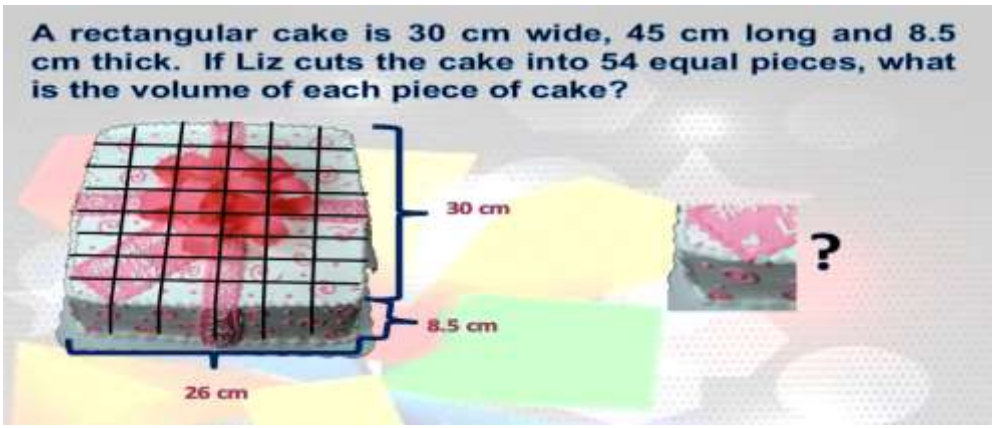
Erin built a wooden box to hold hay on her farm. The box is 3 m long, 1 m wide, and 1 m high.

Hay costs $\$14$ per cubic meter.

How much will it cost to completely fill the box with hay?

$

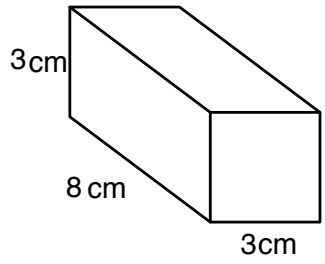
CHALLENGE QUESTION:



Calculating Volume

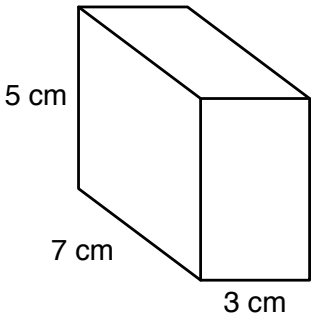
Calculate the volume of each of these 3D shapes.

1.



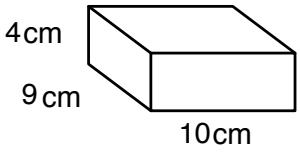
Volume: _____

2.



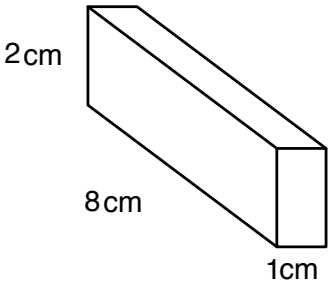
Volume: _____

3.



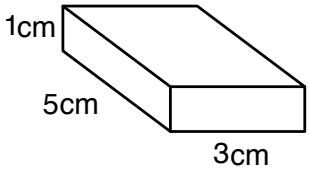
Volume: _____

4.



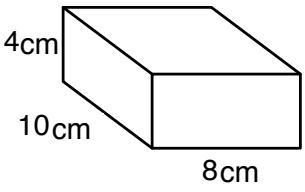
Volume: _____

5.



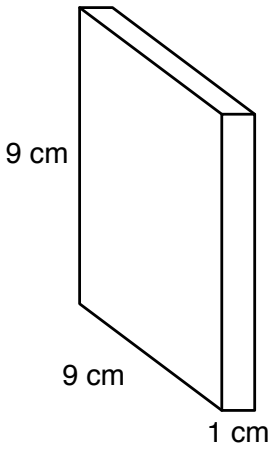
Volume: _____

6.



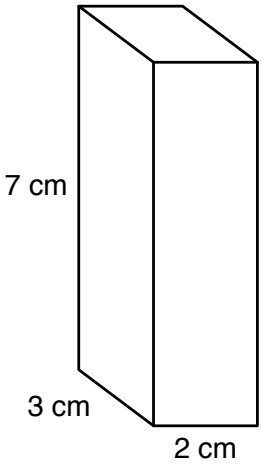
Volume: _____

7.



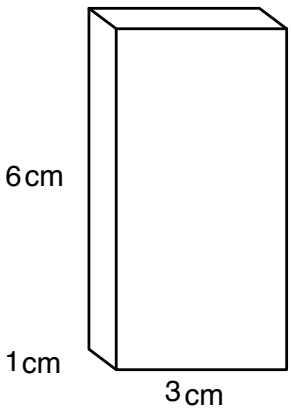
Volume: _____

8.



Volume: _____

9.



Volume: _____

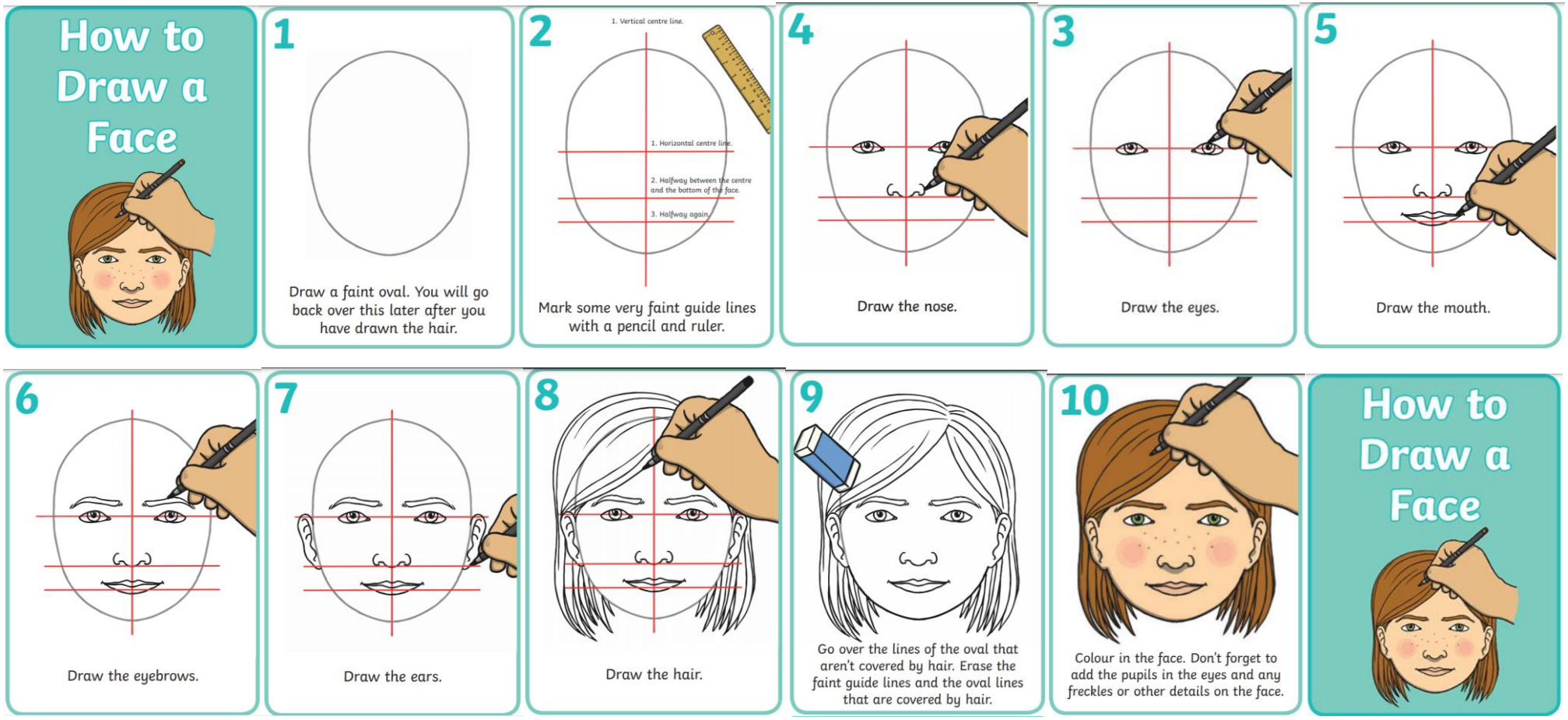
Task #2 & 3 Create a flag for your island

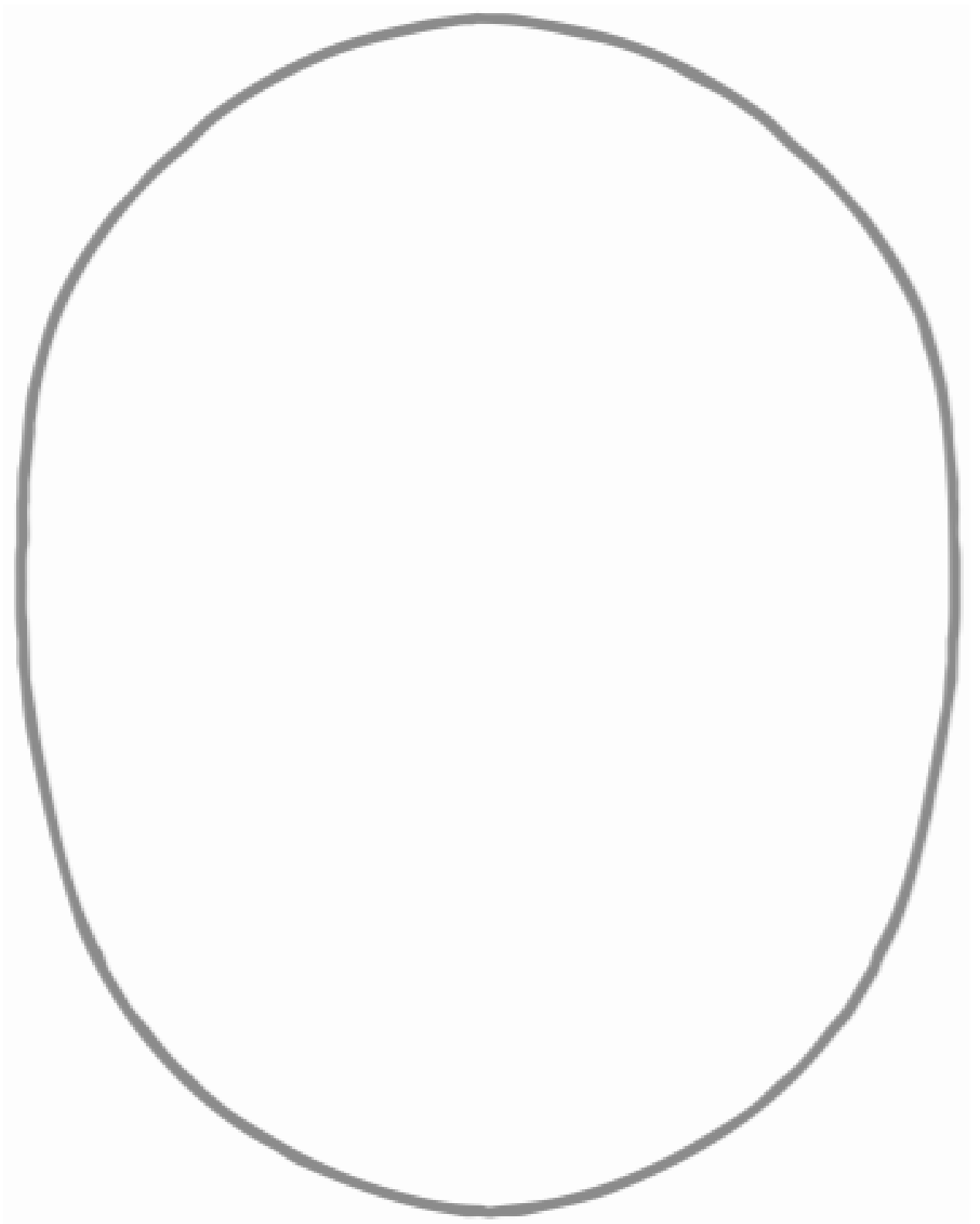
Now it's time to create a flag that represents the government, culture, and history.

Flag Requirements:

- Flag must be drawn in space below
- Flag must have at least two colours
- The shape does not have to be a traditional rectangle shape.

On the following page, draw a face using these steps!





Comprehension Corner – WEDNESDAY ACTIVITY

Nonsense Poems (passage is located at start of the wk)

WALT: to identify the purpose of the text, using vocabulary from the text.

1. Circle the text type.

   informative persuasive imaginative

2. What is the purpose of the text? Why?

_____

3. What is the main idea presented and how is it supported / developed?

_____

_____

4. What kind of information is the text telling us about?

_____

_____

_____

_____

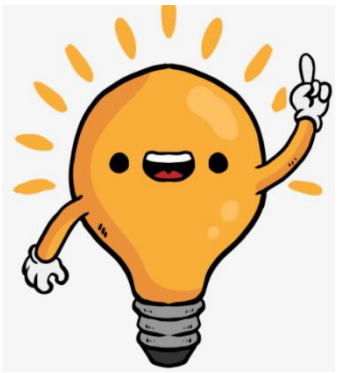
5. What is the best way to organise and present an informative text?

_____

_____

_____

_____



SPELLING ACTIVITIES

WEDNESDAY

1. Break up words into their syllables and number the amount.

List word	Syllables	Number of syllables
figurative	fig-ur-a-tive	4

2. Create a comic strip that tells a story using your list words

Wednesday: Writing and Grammar

Quick Thinking Writing! Time yourself to write about the topic for 15 minutes.

Topic: **Which DISNEY character would you want to be and why?**

EXPANDED NOUN PHRASES: *An 'expanded noun phrase' gives more information about a noun in a simple noun phrase.*

Example: She walked through the dark, mysterious forest.

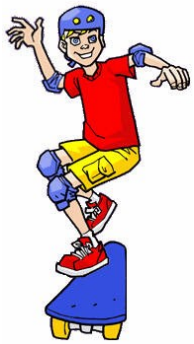
Underline the expanded noun phrase and circle the adjectives that give extra information about the noun.

1. ***After his lunch, Harold ate a sweet, delicious chocolate brownie.***
2. ***Under the waves, the stripy fish swam quickly through the reef.***
3. ***In a forest clearing, a dark, mysterious jaguar sauntered by the water.***
4. ***When he reached the top, the climber stared at the vast, breath-taking view.***

Wednesday: Writing and Grammar

Smashing Similes

Highlight the correct word to make the simile correct and meaningful.



1. The boy ran as quickly as a slug / fox.
2. The coins shone as brightly as the sun / grass.
3. Jesse swam as smoothly as a sheep / fish.
4. The large giant laughed as loudly as whispers / thunder.
5. The Christmas bells tinkled like giants / fairies laughing.
6. The child on the skateboard whizzed by like a rocket / snail.

Inventing New Similes

Look at these well-known similes. See if you can rewrite them in a more modern way.

1. As happy as a pig in mud.

New version: _____

2. As fresh as a daisy.

New version: _____

3. As busy as a bee.

New version: _____

4. As cool as a cucumber.

New version: _____

5. As clean as a whistle.

New version: _____

6. As flat as a pancake.

New version: _____

Wednesday: Writing and Grammar

Imaginative paragraph

If you could be **one colour** in the whole world, which colour would it be and why?

Write a detailed paragraph which includes **similes** and descriptive language.

Don't forget to focus on detailed sentences which are entertaining to read and include correct punctuation.

_____

_____

_____

_____

_____

Continue over the page...

Wednesday: Writing and Grammar

Add your own illustration.

Maths Drills Day 3

Factors

Here are the factors for the number 35:

- (1, 35, 5, 7)

Record the factors of the number 80:

Prime or Composite

Write whether these numbers are prime or composite

- 1) 10
- 2) 65
- 3) 5

1)
2)
3)

Order of Operations

Record the answer:

1) 5 + 2 x 6 =

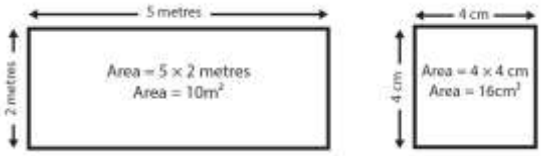
2) 50 x 2 + 7 =

3) 47 + 125 ÷ 5 =

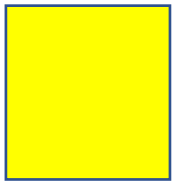
1)
2)
3)

Area

NOT DRAWN TO SCALE



What is the area of the following shapes?



9cm

9cm

3cm

13cm

Conversions

Convert these measurements

Centimetres to metres

- 1) 100cm =
- 2) 670cm =
- 3) 7891cm=

1)
2)
3)

Convert these metres to centimetres

- 4) 1m =
- 5) 62.72m =
- 6) 94.03m =

1)
2)
3)

Fractions of a Group

1) What is ½ of 80?

2) What is ¼ of 50?

3) What is 1/10 of 795?

1)
2)
3)

Chance – using words

What is the chance of:

1) Throwing a 6 sided dice and landing on a 15?
2) Mrs Less coming to school in a helicpoter?
3) A teacher at school winning a gold medal at the Olympics?

1)
2)
3)

Round to the nearest 100th

- 1) 31.8605 =
- 2) 12.671=
- 3) 47.509 =

1)
2)
3)

MUST DO:

The sea turtle habitat at the zoo is made by connecting two large aquariums.

The first aquarium is 6 m long, 4 m wide, and 2 m high.

The second aquarium is 8 m long, 9 m wide, and 3 m high.

How many cubic meters of space do the sea turtles have in their habitat?

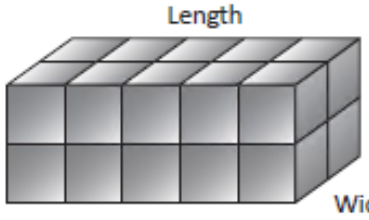
_____ cubic meters

CHALLENGE QUESTION:

1. A milkman sold 46 l 200 ml of milk on 3 days of a week and 53 l 195 ml of milk in next 2 days. What quantity of milk did he sell in 5 days?

Volume and capacity – cubic centimetres and cubic metres

To find out the volume of an object without counting each block, we can multiply the length by the width by the height.

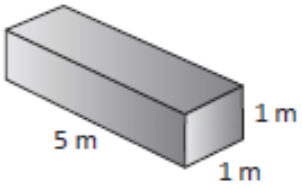


l x w x h = v

5 x 2 x 2 = 20 cm³

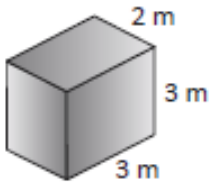
2 **Using the formula l x w x h = v, calculate the volume of these boxes:**

a



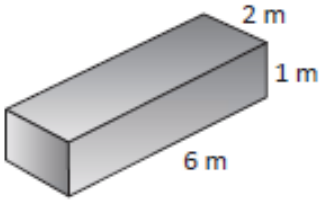
5 x 1 x 1 = ☐

b



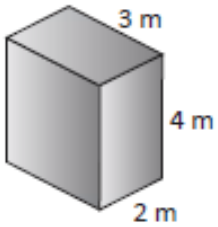
☐ x ☐ x ☐ = ☐

c



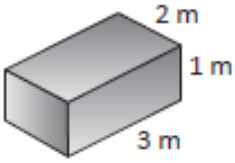
☐ x ☐ x ☐ = ☐

d



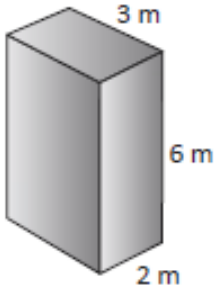
☐ x ☐ x ☐ = ☐

e



☐ x ☐ x ☐ = ☐

f



☐ x ☐ x ☐ = ☐

3 **Would you measure the volume of these objects in the given units? If not, suggest a better choice:**

a swimming pool – cm³ _____

b brick – cm³ _____

c suitcase – cm³ _____

d restaurant – cm³ _____

e pencil case – cm³ _____

f lunch box – cm³ _____

g remote control – cm³ _____

h classroom – cm³ _____

Task #4 Develop your island

The world is fascinated by your island. They want to begin moving here, but they need to know how to get to your island. Also, people are asking how they will live and what they need to survive. Your task is to develop your island for the oncoming population.

Transportation

Consider how you want people to move around your island. One must have one method of arriving on your island, such as bridge, airport, or marina.

You must have at least one highway that connects or runs through your island.

Resources

You will need to consider your land to properly use its resources. Identify the locations on your island. Be sure to identify the crops that you will grow and the products you will produce. These must be consistent with your climate.

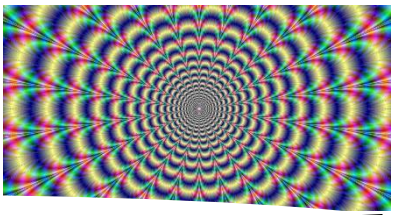
Population

In your legend, note the maximum population of your island.

Identify these locations on your map:

- Four cities
- Two residential areas

Year 6 Week 2 Science



OPTICAL ILLUSIONS!

How do they work?

Excellent question! It is a very complex answer but…scientists say it is due to a **'neutral lag'** in the brain. This is happening when our brain is processing light, colour, size etc and trying to make it match our previous knowledge and experiences. Sometimes what we see does not quite match reality and we end up with an optical illusion!

Can you trick your brain?

Remember to share onto your google classroom or the year 6 science classroom if you can.

Illusion 1 – Persistence of vision

You will need:

- ✓ 2 small squares of cardboard (same size)
- ✓ Coloured pencils or textas
- ✓ Glue, tape, or staples
- ✓ 1 pencil or chopstick

1) Choose a something simple to draw. Like a bird in a cage or fish in a tank (pictured)
2) Draw your tank on one piece of card and your fish on the other.
3) Now attach your pieces of card to your pencil (blank sides together). The pencil needs to be in the middle of the cards.
4) Hold the pencil between your palms and rub quickly to make the picture spin. You might need to go back and forward quickly.
5) If your 'flicker' rate is fast enough you should see your fish inside of the tank!

What other drawings can you make merge together?

Illusion 2 – Contrast Illusion

You will need:

- ➢ Sheet of white paper
- ➢ 1 colour of pencil

1) Draw a long rectangle in the middle of your page.
2) Colour this rectangle in all the same shade. (e.g. do the whole thing light grey)
3) Now graduate the colour from dark to light across the rest of the page. !!!DON"T TOUCH THE RECTANGLE!!!
4) You should now see that your rectangle looks like it goes from dark to light in the opposite direction to the rest of the page!

Illusion 3 – Refraction of light illusion

You will need:

- Postcard size piece of paper or card
- Texta or pencil
- Tall clear glass
- Water in a jug

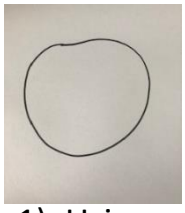
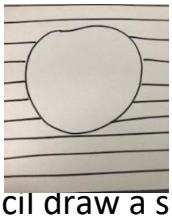
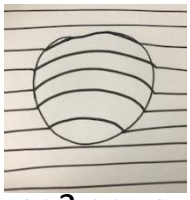
1) Draw 2 thick arrows pointing the same way on your piece of card, one above the other.
2) In a bright, well-lit area, place the card behind the empty glass. (you might need to lean your card or get someone to hold it for you)
3) Slowly pour water into the glass and see what happens to the arrows!

What happens when you draw other things?

Illusion 4 – 3D Illusion

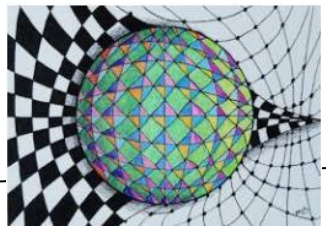
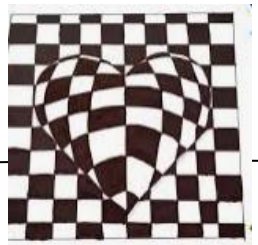
You will need:

- A sheet of white paper
- Lead pencil, coloured pencils, or textas, you can use one colour or multiple colours.

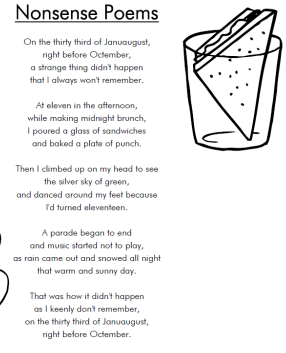
1) Using your lead pencil draw a simple shape or 2 on your page. (circle, square, heart, trace your hand)
2) Then draw some straight lines on the page BUT…skip your shape. If you don't have a ruler that is OK, just get the lines as straight as you can freehand.
3) Now draw some curved lines in your shape…make sure they line up with the edges of your straight lines.
4) Now colour the lines in alternating colours. Either 2 colours, or a mixture. When you are finished your shape should look like it is 3D, even though it isn't!
5) Experiment with shapes and thicknesses of lines.

What happens if you draw the lines and shapes a different way?

Comprehension Corner – THURSDAY ACTIVITY

Nonsense Poems (passage is located at start of the wk)



Nonsense Poems

On the thirty third of Januaugust,
right before Octember,
a strange thing didn't happen
that I always won't remember.

At eleven in the afternoon,
while making midnight brunch,
I poured a glass of sandwiches
and baked a plate of punch.

Then I climbed up on my head to see
the silver sky of green,
and danced around my feet because
I'd turned eleventeen.

A parade began to end
and music started not to play,
as rain came out and snowed all night
that warm and sunny day.

That was how it didn't happen
as I keenly don't remember,
on the thirty third of Januaugust,
right before Octember.

WALT: Summarise the main idea of the passage and write a paragraph to demonstrate your understanding.

When and how we read the text is important. 'Phrase boundaries' enhance reading for meaning. Therefore, in order to read with meaning and understanding, we must express punctuation and phrasing correctly when reading.

1. Reread the passage using the correct punctuation expressions and phrasing pauses.
2. Create 3 main ideas from the text. Summarise these ideas in an informative paragraph ensuring your handwriting is of a consistent size/shape/neatness.

SPELLING ACTIVITIES

THURSDAY

1. Find words that rhyme with at least 5 list words.

List word	Rhyming word

2. Word Boggle. Find as many words inside the following list words as you can.

nonsense -
alliteration -
onomatopoeia -
personification -
figurative -
subject -

3. Create a word web using your list words. Example:

poetic
o
e
m

Thursday: Writing and Grammar

SPOT the MISTAKES! Re-write these sentences correctly, without the errors.

1. **I really do not like the taist of cucumbers, stated tom.**

_____

_____

2. **i really need to do some excercise to improve my overall fittnes.**

_____

_____

3. **there are always diferent vershuns of a story, the teacher told her student.**

_____

_____

4. **At the end of the day are cousins where very disapointed that they had to leave**

_____

_____

5. **I hurt my sholder palying football whith my frends**

_____

_____

6. **The arroe hit the target direct in the middle!**

_____

_____

7. **I was listing to a knew song on the radio this morning.**

_____

_____

8. **We planed to get an extenshun to our home too make it larger**

_____

_____

Thursday: Writing and Grammar

Personification

Personification is a figure of speech in which an object, an idea or animal is given human qualities.

If you can imagine an object or an animal doing actions like a human, or behaving like a human, that's personification!

Activity

1. Match the object to the human quality to complete the sentence.

Object		Human quality
The candle flame		nodded in the wind.
The chocolate cake in the fridge		crept into the classroom.
The party		danced in the dark.
The wallflowers		sang a lonely song.
Along with the teacher, silence		was calling her name.
The wind		died as soon as he left.

2. Once you have matched the parts of the sentence, underline the object and underline the verb in each sentence.

3. Use the pictures to create your own sentences using personification.

Example: ***The summer sun sent a warm smile to the people on the beach.***

_____

_____

_____

Thursday: Writing and Grammar

Personification activity

Personification gives human qualities, to animals, objects or ideas.

1. Read the poem, 'The Majesty of Spring' and highlight any examples of personification you can spot.

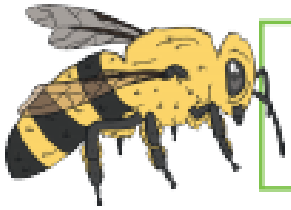
The Majesty of Spring

The wind's alarm clock roughly wakes spring from her slumber.
Bleary-eyed, she gazes at the desolation left by winter.
As she casts her life-giving gaze on the trees, they yawn and stretch their spiny fingers towards the glimpse of gold above.
Spring adorns each branch with delicate blooms of pink, as carefully as a bride dressing for her wedding day, looking to a future full of hope.

Resplendent in her finery, spring greets her subjects.
All around, a symphony of birds trill and warble to herald her arrival.
Daffodils cheerily bob and greet her, while shy bluebells blush and bow their heads.
Plump bumble bees and balletic butterflies gracefully dance and swirl in celebration before indulging in a nectar feast.

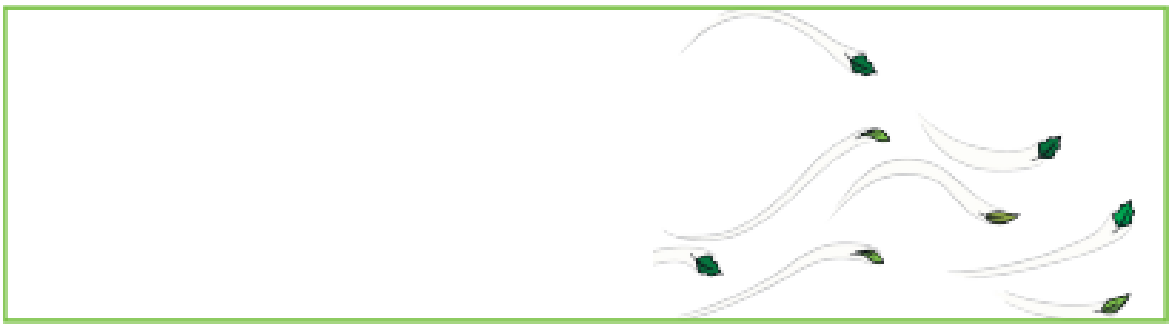
Spring's warm touch awakens slumbering squirrels and drowsy hedgehogs.
Her gentle breath shakes the tired, virescent grass into life.
She watches tenderly, as tiny lambs take their first, tentative steps and soft chicks open their huge, black eyes.
She pledges that her reign will bring happiness and good things.

2. Rewrite the sentence below, changing the underlined words to create your own personification sentence about spring time.



Plump bumble bees and balletic butterflies gracefully dance and swirl before indulging in a nectar feast.

3. Use the box below to add words and phrases to describe how the wind moves and the sounds it makes.



Choose a verb to create your own personification sentence to describe the wind. For example: The wind pulled my hair and screeched in my ear.

Maths Drills Day 4

Multiples

The first 5 multiples of 2 are: 2, 4, 6, 8, 10

- Record the next 3 multiples of 4 in this pattern : 24, 28, 32, 36, ____,____,____

Multiplication

Show your working for these:

- 1) 72

  X 6

  _____

  _____

2) 53

X 48

_____

_____

_____

Division

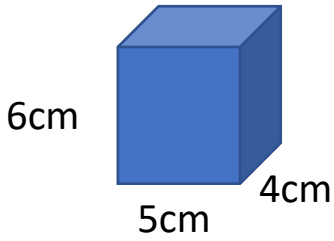
Show your working for these:

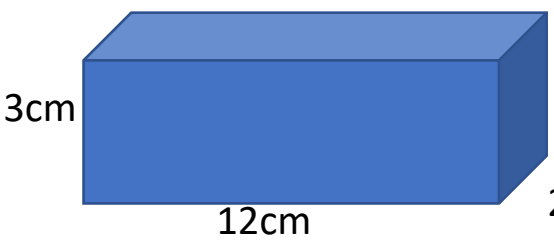
1) 848 ÷ 8 =

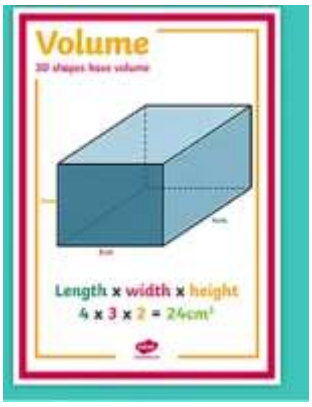
2) 350 ÷ 5 =

3) 978 ÷ 6 =

Volume







Conversions

Convert these measurements

kilometres to metres

- 1) 1 km =
- 2) 17km =
- 3) 118.67km=

Convert these metres to kilometres

- 4) 1 000m =
- 5) 8 800m =
- 6) 207m =

1)
2)
3)
4)
5)
6)

Simplifying Fractions

1) 6/24 =

2) 9/45 =

3) 50/80 =

1)
2)
3)

Chance as a Fraction

What is the chance of:

1) Tossing a 10 sided dice and landing on a number higher than or equal to 9?
2) Rollling a 6 sided dice and the number being less than 2?
3) If there are 2 blue shirts, 5 white shirts and 3 red shirts in a bag, what is the chance of reaching into the bag and choosing neither a blue or a red shirt?

1)
2)
3)

Rounding to the nearest one thousandth

- 1) 53.7805 =
- 2) 12.5137=
- 3) 47.01776 =

1)
2)
3)

MUST DO:

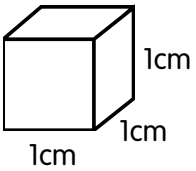
1. The tap can fill up the bath tub in 22 minutes. The capacity of the bath tub is 176 L. How much water is added to the tub per minute?

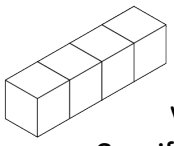
CHALLENGE QUESTION:

8. Shelly has 2 l of oil. She wants to pour it equally into 250 ml bottles. How many bottles is she able to fill with the oil?

Figuring Out Volume

Volume is a measure of the space inside of a 3D shape or object. We measure volume in cubic measurements of length. If we imagine a cube with a length, width and height of 1cm, the total volume of that cube= 1 cm3, or 1 cubic-centimetre.

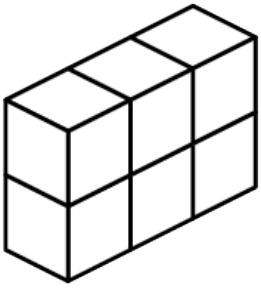




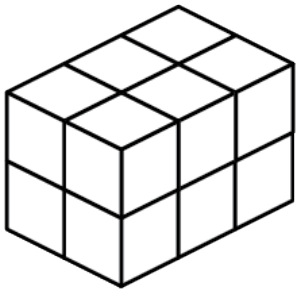
If you imagine all other 3D shapes as being made up of these cubic-centimetres, then we can start to calculate their volume. These cubes get arranged in rows of cubes, and then into layers which represent the length, width, and height of the 3D shape.

See if you can work out the volume of the shapes below by thinking about them in cubic-centimetres. Experiment with addition and multiplication to see if there are faster ways to get to the answer.

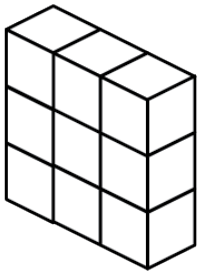
1. Volume = _____



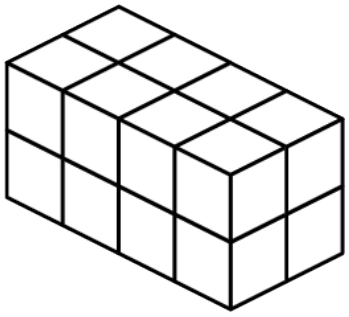
2. Volume = _____



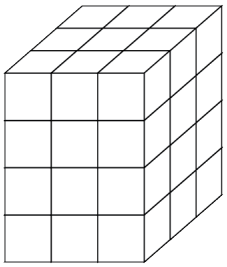
3. Volume = _____



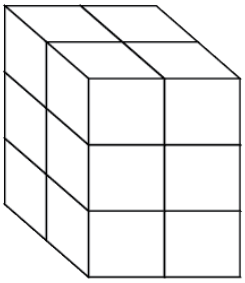
4. Volume = _____



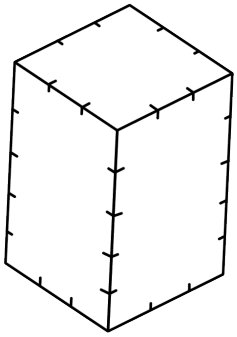
5. Volume = _____



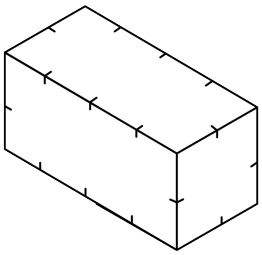
6. Volume = _____



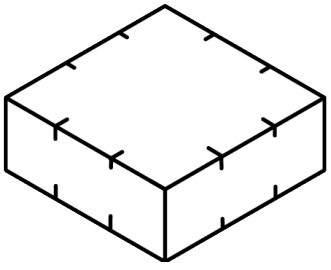
7. Volume = _____



8. Volume = _____



9. Volume = _____



PDHPE Term 4 Week 2
Ways to be more active at home

Q1) what does the word active mean? Provide examples.

……..……..

……..……..

Q2) List how many different ways you can be active at home?

……..……..

……..……..

Q3) How could we be more active at home?

……..……..

……..……..

Using the alphabet below, record as many ways to be active at home as you can using the letters.

A – Athletics	J –	T –
B – Bowling	K –	U –
C – Crab walking	L –	V –
D – Dancing	M –	W –
E –	O –	X –
F –	P –	Y –
G –	Q –	Z –
H –	R –	
I –	S –	

Next to each activity, write whether the activity is inside, outside or both.

Activity:
Create your own 2 minute activity that your class could use to be more active at home.
Start by planning different activities in your video.
You can include some ideas from the A-Z list above.
You will need to write how many times to perform each activity.
Make sure your total video time is 2 minutes

If possible record your activities and post them on the Stage 3 PE Mr Adams Google classroom (class code: cgy3mon). If not, present your activities on the google slides proforma on the Google classroom.

After you have finished, try and get a family member to complete the activities with you.

Have fun and good luck!

Nonsense Poems

This poem is classed as a nonsense poem because it doesn't make sense. In this poem there are dates that don't exist, weather that doesn't happen, events ending before they have begun.

1) Using a coloured pencil or highlighter, highlight all the words that are made up nonsense words.

2) Using a different colour underline all of the statements that don't make sense in the poem above.

3) What effect do the nonsense words have on the poem?

_____

4) Why would the author have chosen to use nonsense words in the poem?

_____

_____

5) When would you choose to use nonsense words in poetry? For example, would you use them in a poem about a serious matter or to create humour?

_____

_____

Comprehension Corner – Nonsense Poems

FRIDAY ACTIVITY

SPELLING ACTIVITIES

FRIDAY

1. Arrange your words into a number code. Example, A= 1, B= 2, C=3…

2. Briefly glance at your spelling words and write them out in the table below as a test of your learning from this week. (no peeping! hehe)

Friday: Writing and Grammar

FINISH the METAPHOR or SIMILE

1. She ran like....

_____

2. When she danced she was…

_____

3. The man trudged down the road like…

_____

4. The waves in the ocean were…

_____

5. He conquered his fear of heights! He was as brave as…

_____

6. On her way to her own birthday party, Lucy was as…

_____

7. My teacher is a …

_____

8. The rain was…

_____

9. The trees in the storm were like…

_____

10. The moon hung in the night sky like…

_____

Friday: Writing and Grammar

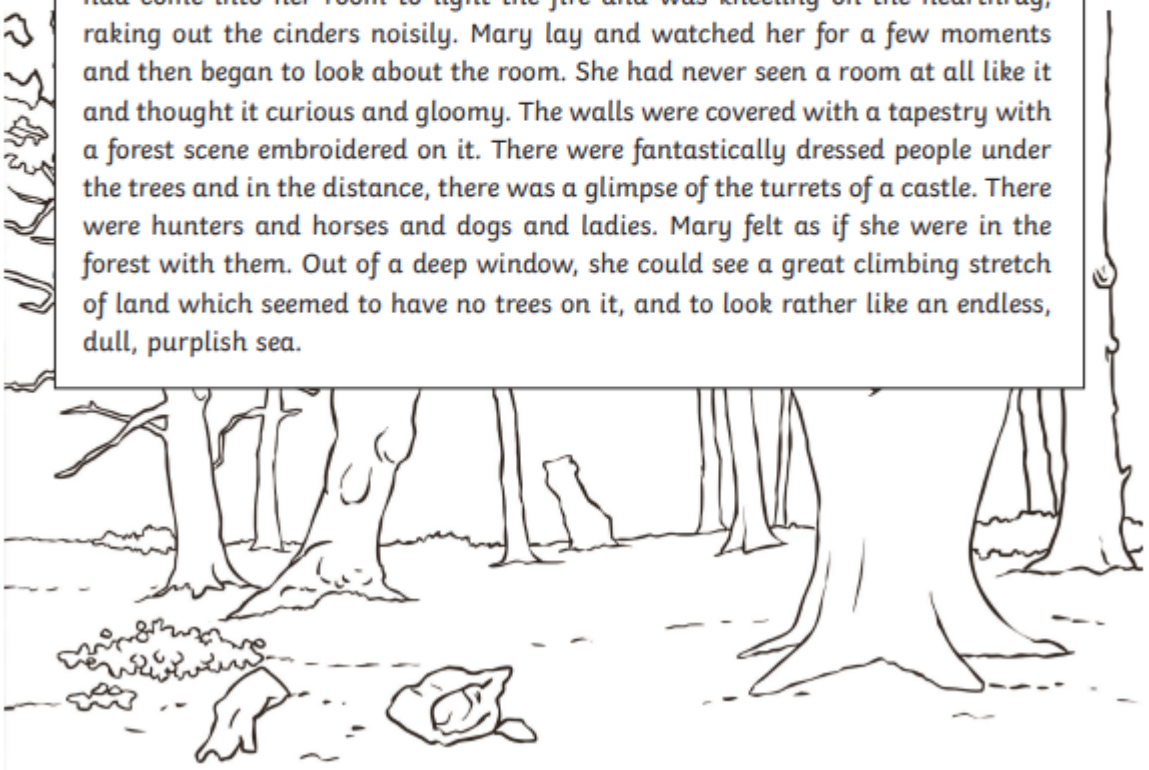
Personification activity

Activity

1. Read the passage below and improve it by adding personification to the objects.

Choose and use personification carefully: Too much, and the writing is difficult to take seriously and inappropriate personification makes it hard to create the desired effect for the reader.

When she opened her eyes in the morning, it was because a young housemaid had come into her room to light the fire and was kneeling on the hearthrug, raking out the cinders noisily. Mary lay and watched her for a few moments and then began to look about the room. She had never seen a room at all like it and thought it curious and gloomy. The walls were covered with a tapestry with a forest scene embroidered on it. There were fantastically dressed people under the trees and in the distance, there was a glimpse of the turrets of a castle. There were hunters and horses and dogs and ladies. Mary felt as if she were in the forest with them. Out of a deep window, she could see a great climbing stretch of land which seemed to have no trees on it, and to look rather like an endless, dull, purplish sea.



My ideas:

MAGICAL WRITING

Write a <u>detailed paragraph</u> answer to each of the following 'Harry Potter-themed' questions:

(Use the next page).

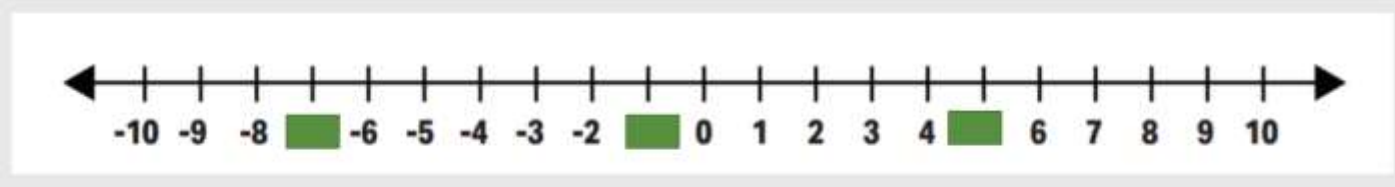
1. How would you react if you received a letter inviting you to study at Hogwarts School of Witchcraft and Wizardry?
2. Which of the 3 types of pets (owl, cat or toad) would you choose you take with you and why?
3. Which Hogwart's House (Gryffindor, Hufflepuff, Ravenclaw or Slytherin) would you like to be in and why?
4. Pick a Hogwart's professor and write a detailed description of them.
5. Which Hogwart's class would you like best and why?

*You may need to do some research to answer these questions well.

*Add some illustrations to complement your paragraph answers.

Maths Drills Day 5

Negative numbers



Fill in the missing numbers on the number line:

Number Patterns

Continue these patterns:

- 1) 1, 4, 7, 10, ____, _____
- 2)57, 67,77, 87, ____, _____
- 3) 60, 68, 76, 84, ____,____

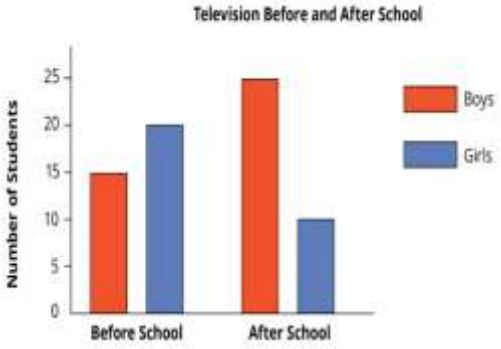
1)
2)
3)

Data

Look at the graph and answer the questions below:

1) Do boys watch more tv before school than girls?

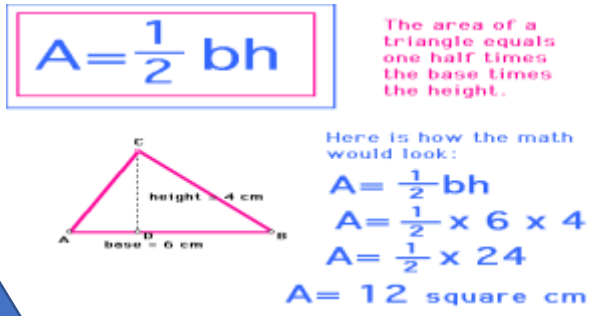
2) What is the difference between the number of boys and girls watching tv after school?



1)
2)

Area

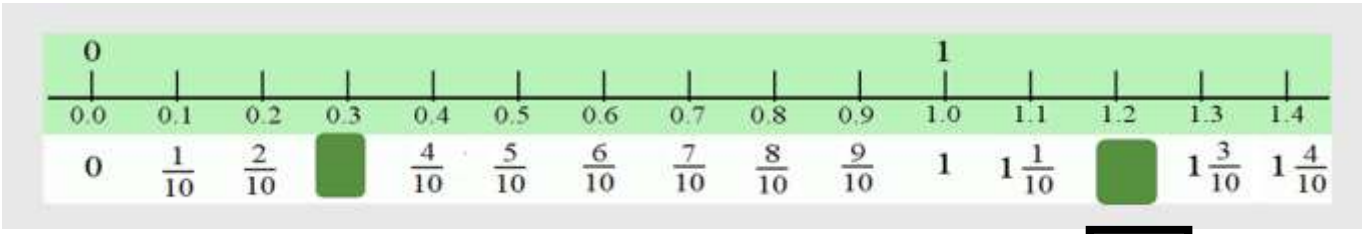
- The formula for the area of a triangle is:
- A = ½ x base x height
- What is the area of this triangle?



12cm

6cm

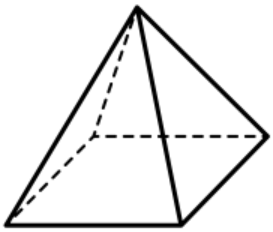
Fractions on a number line



Record the missing fractions

3D objects

How many faces, vertices and edges does this object have?



1)Faces =
2)Vertices =
3)Edges =

Percentages

Calculate the discount if these items were 10% off.

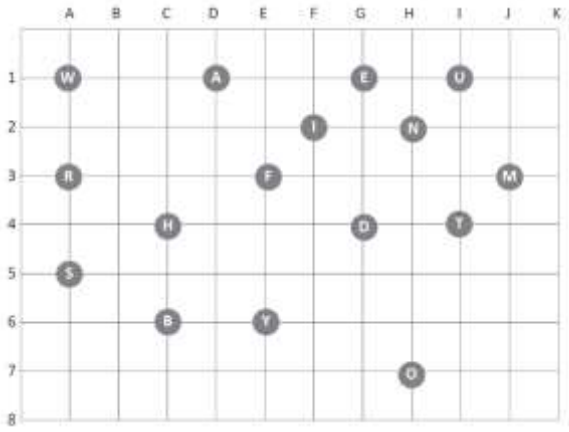
- Hint 1 (10% = 1/10)
- Hint 2 (divide by 10)
- E.g. 10% of $20 = $20 ÷ 10 = $2

1) 10% of $90 =

2) 20% of $90 =

1)
2)

Position



1)What co-ordinates would you find the letter I?°

2) What co-ordinates would you find the letter S?°

1)
2)

MUST DO:

A pool is filled with 270 cubic meters of water.

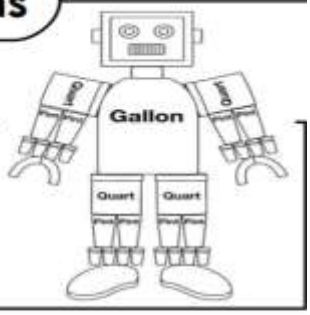
The base of the pool is 15 m long and 9 m wide.

What is the height of the water in the pool?

_____ m

CHALLENGE QUESTION:

Capacity Word Problems



Use your knowledge of capacity to answer each question.

Remember: 1 gallon = 4 quarts = 8 pints = 16 cups

1 gallon = 4 quarts
1 quart = 2 pints
1 pint = 2 cups

1. Emily needs 5 cups of milk to make a vanilla milkshake. Should she buy a pint, a quart, or a gallon of milk? Explain your answer.

_____

Displacement — investigate

What to do

For this investigation, you'll need a baking tray, an ice cream container, a measuring jug and a toy car.

Step 1 Place the ice cream container on the tray.

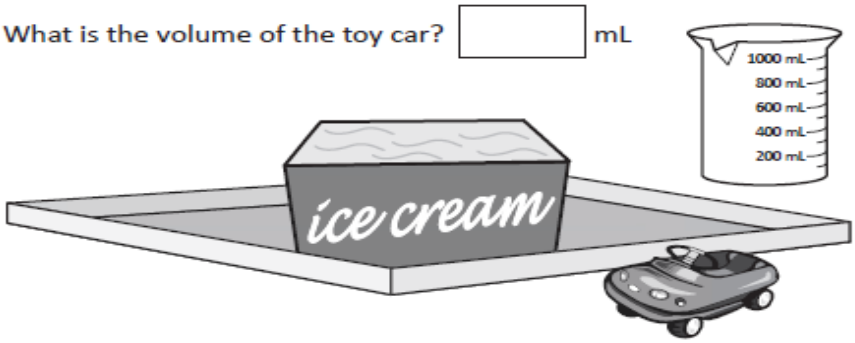
Step 2 Fill the ice cream container with water right up to the brim.

Step 3 Carefully place the toy car into the water.

Step 4 Observe the water spilling over the brim of the ice cream container into the baking tray.

Step 5 Measure how much water overflowed by pouring it into the measuring jug.

What is the volume of the toy car? ☐ mL

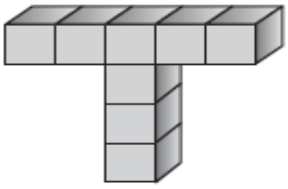


We can see the connection between volume and capacity:

$1\ mL = 1\ cm^3$

3 **Calculate the volume (cm^3) and capacity (mL) from these models made from centicubes:**

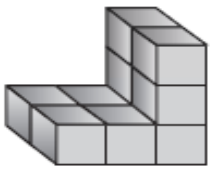
a



Volume = ☐ cm^3

Capacity = ☐ mL

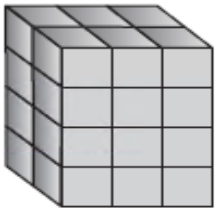
b



Volume = ☐ cm^3

Capacity = ☐ mL

c

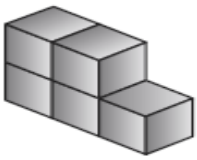


Volume = ☐ cm^3

Capacity = ☐ mL

4 **Wandu, the work experience girl, has made these shapes out of centicubes. She has written their capacity underneath them. Is she right? Check her thinking.**

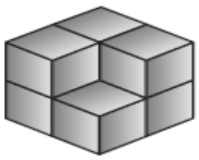
a



5 mL

Is she right? _____

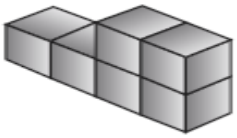
b



6 mL

Is she right? _____

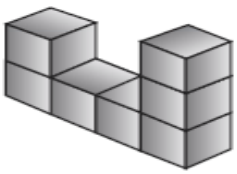
c



6 mL

Is she right? _____

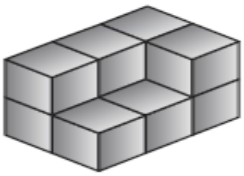
d



7 mL

Is she right? _____

e



12 mL

Is she right? _____

Be Bold
Be Brave
Be You