

Home Learning

YEAR 6

Week 1

Dear Parent/Carer,

We hope you and your family have had an enjoyable half term break and that you have all managed to find time to relax and to enjoy activities other than those in these learning packs!

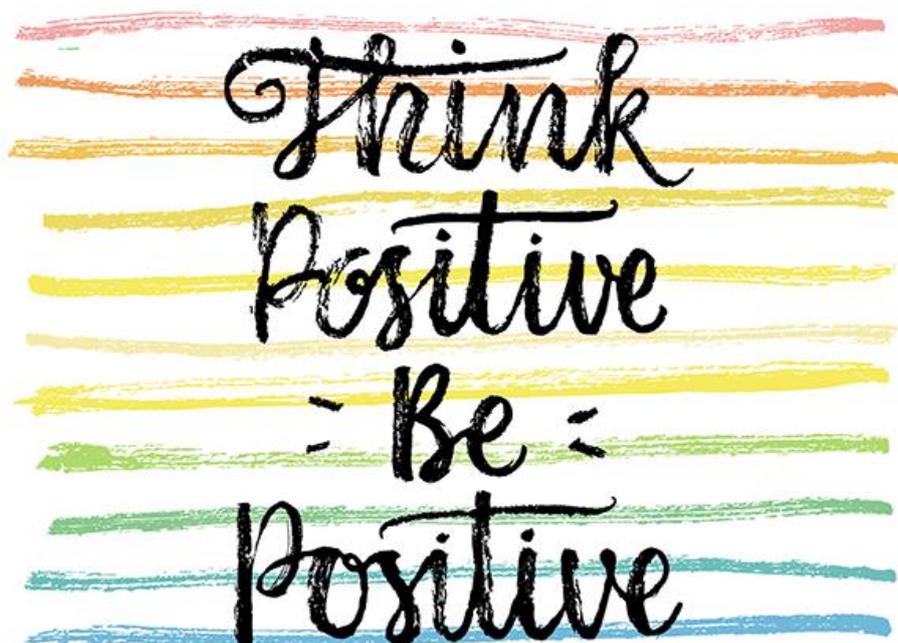
It feels so strange for us in school to return after a half term break and to not be greeted by lots of excited children telling us all about the things that they have done during the holidays. We all share the same hopes that we can soon return to some normality and we are all looking forward to the day when we can welcome all children back into school.

Thank you to you and your families for ensuring that you follow the social distancing measures in place and that you do your best to ensure that both you and your family, as well as our wider community, remain safe and well.

Finally, we would like to take this opportunity to remind you that you are all doing an incredible job at supporting your children's learning at home and we cannot thank you enough for your support during this time.

Kind regards,

The Year 5/6 Team



WEEKLY ACTIVITIES

Children can work on these activities throughout the week or complete the activity a number of times during the week.

During the week, there are various activities taking place online:

Mon, Weds, Fri – Joe Wicks Live Workouts – 9am

<https://www.youtube.com/channel/UCAxW1XT0iEJo0TYIRfn6rYQ>

Online lessons and resources from BBC Bitesize

<https://www.bbc.co.uk/bitesize>

Televised lessons will also be shown on CBBC.

Spellings	Monday	Tuesday	Wednesday	Thursday
bruise				
cemetery				
category				
committee				
communicate				
community				
competition				
controversy				
correspond				
criticise				
curiosity				
definite				
desperate				
determined				
develop				

Choose three of these words to complete the sentences below- remember your punctuation!

As _____

When _____

If _____

determined cemetery curiosity committee
controversy criticise competition definite
correspond community desperate bruise
communicate category develop

c e b c r i t i c i s e u c j
o c n o y r c l o d f l o o o
m u c r y b e e x a a v a n b
m r o r u h c e g e u a a t e
u i m e q f n e j d u u n r a
n o m s d e s p e r a t e o u
i s u p i z g n i p y b y v e
t i n o u q i a o r o x r e e
y t i n o m h l e r a l o r t
l y c d r o e t v p a e g s t
z j a e c v e e a n k e e y i
d r t r e m d e f i n i t e m
q e e d e d a h i q e p a z m
d v m c o b r u i s e o c b o
a u e c o m p e t i t i o n c

A		B		C		D	
12 x 1		8 x 1		4 x 1		9 x 12	
5 x 12		4 x 4		9 x 10		5 x 11	
2 x 8		12 x 2		8 x 2		4 x 2	
11 x 5		7 x 5		3 x 6		9 x 11	
6 x 8		2 x 9		12 x 3		8 x 3	
4 x 3		11 x 6		7 x 6		3 x 7	
10 x 8		6 x 9		2 x 10		12 x 4	
8 x 4		4 x 5		11 x 7		7 x 7	
3 x 8		10 x 9		6 x 10		2 x 11	
12 x 5		8 x 5		4 x 6		11 x 8	
7 x 8		3 x 9		10 x 10		6 x 11	
2 x 12		12 x 6		8 x 6		4 x 7	
11 x 9		7 x 9		3 x 10		10 x 11	
6 x 12		1 x 1		12 x 7		8 x 7	
4 x 8		11 x 10		7 x 10		3 x 11	
10 x 12		5 x 1		1 x 2		12 x 8	
8 x 8		4 x 9		11 x 11		7 x 11	
3 x 12		9 x 1		5 x 2		1 x 3	
12 x 9		8 x 9		4 x 10		11 x 12	
7 x 12		2 x 1		9 x 2		5 x 3	
1 x 4		12 x 10		8 x 10		4 x 11	
10 x 1		6 x 1		2 x 2		9 x 3	
5 x 4		1 x 5		12 x 11		8 x 11	
4 x 12		10 x 2		6 x 2		2 x 3	
9 x 4		5 x 5		1 x 6		12 x 12	
8 x 12		3 x 1		10 x 3		6 x 3	
2 x 4		9 x 5		5 x 6		1 x 7	
11 x 1		7 x 1		3 x 2		10 x 4	
6 x 4		2 x 5		9 x 6		5 x 7	
1 x 8		11 x 2		7 x 2		3 x 3	
10 x 5		6 x 5		2 x 6		9 x 7	
5 x 8		1 x 9		11 x 3		7 x 3	
3 x 4		10 x 6		6 x 6		2 x 7	
9 x 8		5 x 9		1 x 10		11 x 4	
7 x 4		3 x 5		10 x 7		6 x 7	
1 x 12		9 x 9		5 x 10		1 x 11	

MONDAY

22.02.21

Literacy

	<u>Activity Description</u>	<u>Resources</u>
1	<p>Writing – Pandora Description Mind Map</p> <p><i>For Literacy this week, we're going to be focusing our writing on the clip called Pandora Discovered. This is a fictitious documentary about the planet from a popular film called Avatar.</i></p> <p><i>For today, we're going to watch the clip (you may need to re-watch it a few times to really pick out little details) and we're going to start creating a mind map with sophisticated vocabulary that we could use throughout the week.</i></p> <ol style="list-style-type: none">1. Watch 'Pandora Discovered'.2. Complete your mind map (use the template below or create your own). <i>Don't forget to use a thesaurus to develop your vocabulary and make it ambitious.</i>	<p>https://www.youtube.com/watch?v=8KyidW_ON4o</p> <p>https://www.thesaurus.com/</p>
2	<p>SPaG</p> <p>Complete the set activity on Learning by Questions.</p>	<p>https://www.lbq.org/ The activity code will be sent via Marvellous Me this morning.</p>

Adjectives

Senses (sounds, smells, etc)

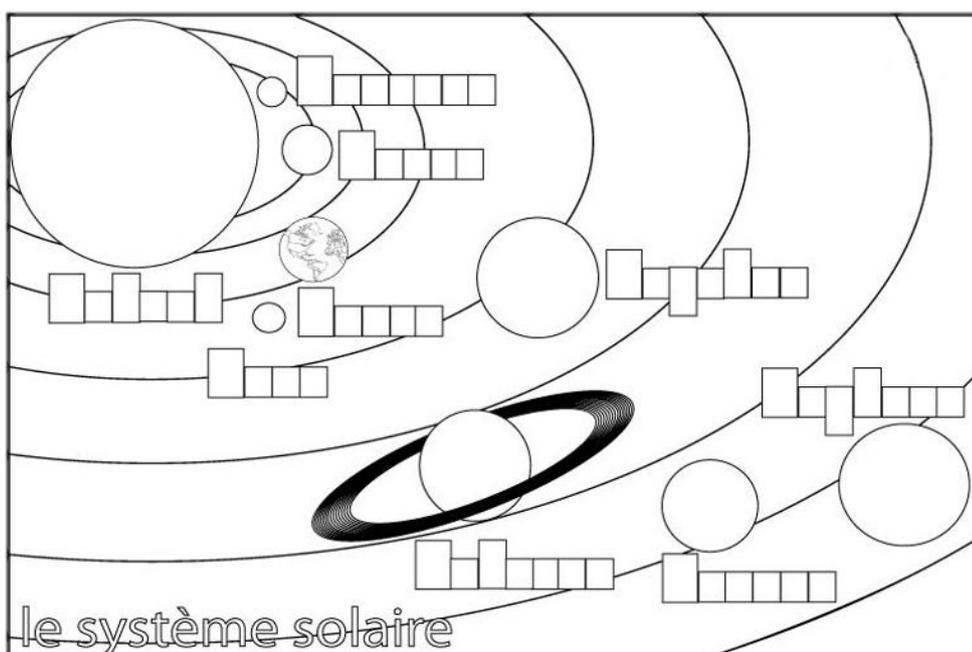
Colours

Pandora

Metaphors/Similes

Curriculum Activities

Curriculum Activities		
	<u>Activity Description</u>	<u>Resources</u>
1	<p>French <i>This week we are going to learn French vocabulary for the planets and other words from the Solar System.</i></p> <p>1. Listen to the words in the video clip and then repeat them. You could try this a couple of times.</p> <p>2. Fill in the missing planets on the sheet below (or create your own diagram) and colour it in.</p>	<p>https://www.youtube.com/watch?v=8KyidW ON4o</p>
2	<p>PE – Throwing for Accuracy <i>We're going to focus on our throwing skills today as throwing is a skill we use in many games that we play.</i></p> <p>1. Work through the activities in the clip.</p> <p><i>There are suggestions in the video to make the activities more or less challenging.</i></p> <p><i>Remember to be careful if you're choosing to complete this activity inside. Try to use soft toys and clear the immediate area of anything that may be dangerous if it's knocked over.</i></p>	<p>https://www.youtube.com/watch?v=tHRvquNKf1Q&list=PLYGRalu WWTojV3An2WEqsQ4qGFy 91jD L&index=5&t=0s</p>



Pluton n'est plus considéré comme une planète depuis août 2006

Neptune	Uranus	Saturne	Vénus	Soleil	(La) Terre	Mercure	Mars	Jupiter
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5-a-day

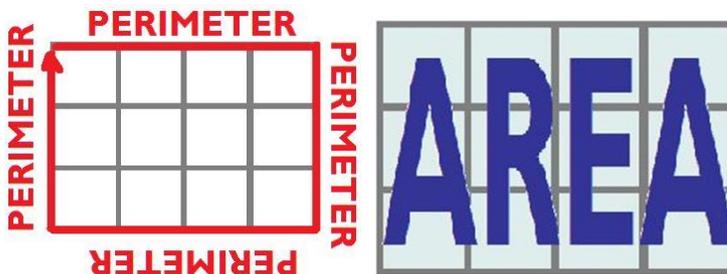
1. $10 \times 11 \times 2$
2. $\frac{2}{6} + 1\frac{5}{6}$
3. $744 \div 31$
4. $78,030 - 12,389$
5. 4^3

This week we're going to revisit **perimeter, area and volume**. Some of what we'll look at is revision but there will be some new learning too. Remember not to worry if anything seems tricky. Watch the video clips to see examples – they'll help your understanding and feel free to get in touch if you're finding anything particularly difficult.

Measurement: Perimeter and Area

Let's recap how to calculate area and perimeter.

1. Before we start, can you write down a formula to calculate the perimeter and area of a square or rectangle?
2. Watch the clip to recap how to calculate area and perimeter of rectilinear shapes:
<https://vimeo.com/430339457>
3. Work through the questions on the following page.

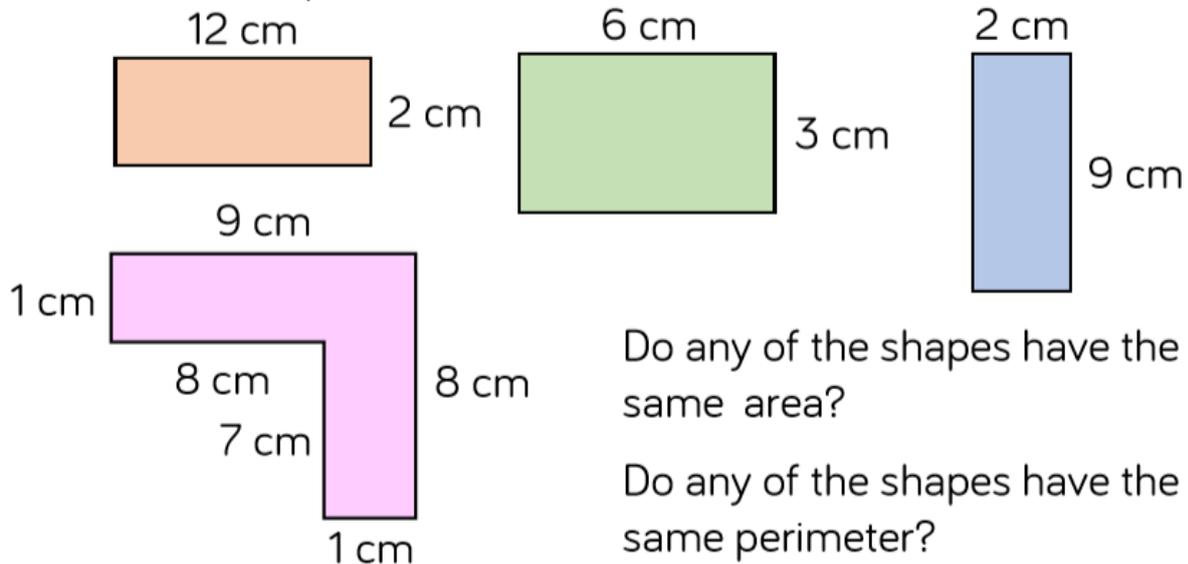


Extra challenge:

Complete the 144 question multiplication test at the beginning of the pack. Can you beat last week's time?

1. Calculate the area and perimeter of the shapes below:

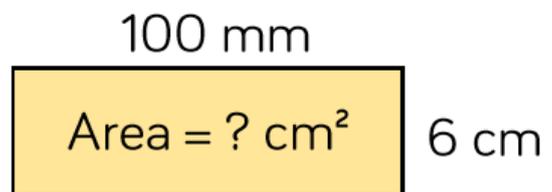
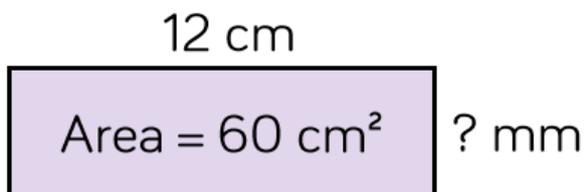
Look at the shapes below.



Do any of the shapes have the same area?

Do any of the shapes have the same perimeter?

2. Work out the missing values:



3. **True or false?**

Two rectangles with the same perimeter can have different areas.

Explain your answer.

TUESDAY

23.02.21

Literacy

	<u>Activity Description</u>	<u>Resources</u>
1	<p>Writing – Pandora Setting Description</p> <p><i>Today, we're going to focus on writing a few paragraphs that describe the planet of Pandora.</i></p> <ol style="list-style-type: none">1. Re-watch the clip and note down the features of the planet (for example; its size, its atmosphere, its biomes).2. Use your notes, as well and your mind map from yesterday, to create a setting description for the planet. <p><i>Some features to include:</i></p> <ul style="list-style-type: none">• <i>expanded noun phrases (a majestic, wondrous planet where exotic creatures roam free)</i>• <i>5 senses</i>• <i>similes and metaphors</i>• <i>prepositional phrases (beneath the canopy of mammoth, twisted trees)</i> <p>If you're stuck for inspiration, adapt and develop this example:</p> <p><i>Wonder. Mystery. Danger. The world of Pandora holds many secrets. Located 4.4 light years from Earth, this gas giant is almost as big as Saturn. Pandora's atmosphere (which is inhospitable to humans) allows indigenous life to thrive on this breathtakingly beautiful celestial treasure.</i></p>	<p>https://www.youtube.com/watch?v=8KyidW_ON4o</p> 
2	<p>SPaG</p> <p><i>Brush up on your preposition knowledge by working through the linked lesson on BBC Bitesize.</i></p> <ol style="list-style-type: none">1. Watch the video clip and complete the activities at the bottom of the page.	<p>https://www.bbc.co.uk/bitesize/topics/zwwp8mn/articles/zw38srd</p>

Curriculum Activities

	<u>Activity Description</u>	<u>Resources</u>
1	<p>RE: Christianity – Lent <i>Christian people are currently observing the period of Lent which began on Wednesday 17th February (you may have had pancakes the day before this!)</i></p> <p>1. Use the website in the resource box to research information about Lent. Try to find the answer to these questions:</p> <ol style="list-style-type: none">How long is the period of Lent?What does “lent” mean?What does Lent help Christians remember?What are some types of food that Christians give up during the period of Lent?Why do Christians often eat pancakes the day before Lent?Why do Christians mark their forehead with a cross of ashes on Ash Wednesday? <p><i>Put your knowledge to the test by completing a Kahoot quiz about Lent.</i></p> <p>2. Click on the Kahoot link in the resource box and use the game pin: 09221337.</p> <p>Please use your first name instead of a nickname so we know who has answered the questions.</p> 	<p>https://www.bbc.co.uk/bitesize/topics/ztkxpv4/articles/z77jf4j</p> <p>https://kahoot.it/challenge/09221337?challenge-id=80851aa7-f086-43ee-a91f-4057e7a8e72f_1612864206383</p>

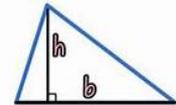
5-a-day

1. $5120 - 215$
2. $4\frac{3}{4} - 3\frac{1}{7}$
3. $3,481 \div 26$
4. $43,384 + 32,182$
5. Round 19.989 to the nearest whole number

Measurement: Area of a Triangle

Today we're going to focus on revising how to calculate the area of a triangle.

1. Remember, we have a formula to help us calculate the area of a triangle:



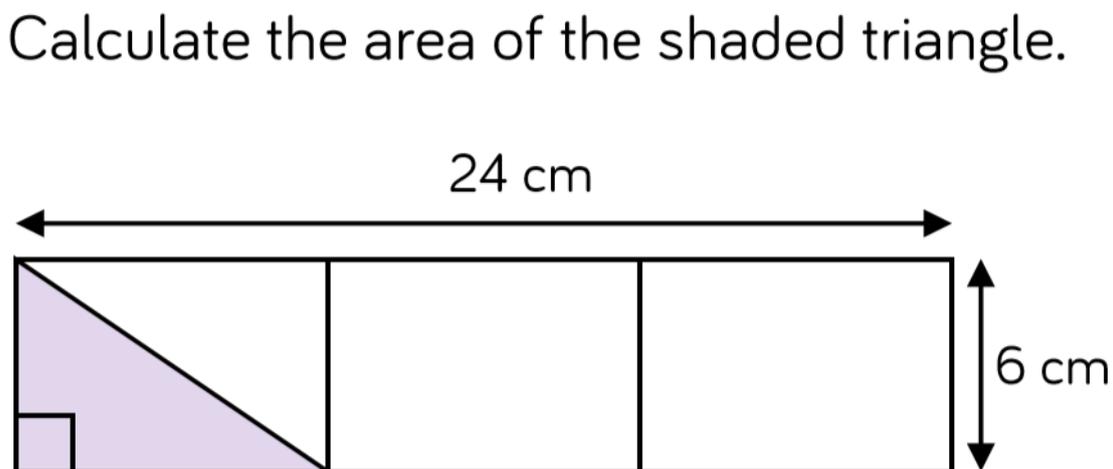
$$\text{area of a triangle} = \frac{1}{2} \text{ base} \times \text{height}$$

$$\text{Area} = \frac{1}{2} \times b \times h$$

2. Watch the clip to see how the area of triangles and rectangles are connected. Pause the video and work through the example questions: <https://vimeo.com/430339609>
3. Complete the Area of Triangles quiz on www.lbq.org. The code will be sent out via Marvellous Me on Tuesday morning.

Extra challenge:

Use all the knowledge you've learnt today to calculate the area of the shaded triangle below.
*Remember that the bigger rectangle has been split equally into three parts.



WEDNESDAY

24.02.21

Literacy

	<u>Activity Description</u>	<u>Resources</u>
1	<p>Writing – Creature Non-Chronological Report</p> <p><i>There are many fictional creatures described in the Pandora Discovered clip. We're going to choose one of these creature today and write a fictional non-chronological report about it.</i></p> <ol style="list-style-type: none">1. Watch the clip from approximately 1.12 – 2.13.2. Once you've chosen your creature, pause the video and make notes about it to help with your writing today. <p><i>Remember that we can use our imaginations and make up facts about the creature that we choose!</i></p> <p>Here are some spellings of the names of the creatures mentioned: Na'vi, Banshee, Direhorse, Thanator, Leanoptrex, Tythanasaur</p> <p>Some subheadings you could use:</p> <ul style="list-style-type: none">• Appearance• Diet• Habitat• Behaviour <ol style="list-style-type: none">3. Use the template below to help you structure your writing and use the examples linked in the resource box to give you inspiration for the type of information you could include.	<p>https://www.youtube.com/watch?v=8KyidW ON4o</p> <p>https://www.literacywaqoll.com/non-chronological-report.html</p>
2	<p><u>SPaG</u></p> <p>Complete the Synonym quiz on Learning By Questions.</p>	<p>https://www.lbq.org/</p> <p><i>The activity code will be sent via Marvellous Me this morning.</i></p>

Title: _____

Introduction:

Sub-heading: _____

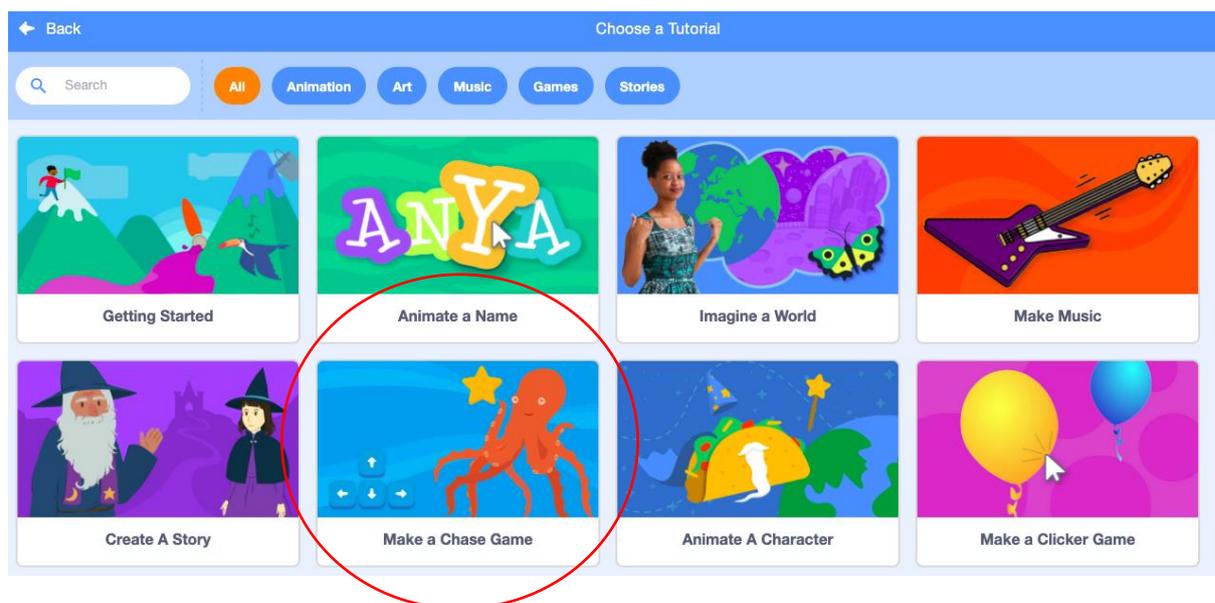
Sub-heading: _____

Fun Fact!

Sub-heading: _____

Curriculum Activities

	<u>Activity Description</u>	<u>Resources</u>
1	<p>Computing</p> <p><i>We're going to try and code a space-themed chase game today using Scratch. We'll be following a video tutorial so feel free to pause when you need to and complete each step as you watch the video.</i></p> <p><u>You don't need to have an account to create your game but if you'd like to save your progress and go back to play your game, ask an adult at home to sign up using their email address.</u></p> <ol style="list-style-type: none">1. Follow the link to the Scratch tutorials.2. Select the <i>Make A Chase Game</i>.3. Select a space-themed backdrop and sprite.4. Follow the tutorial step-by-step to code your game. <p><i>We'd love to see pictures or videos of your game so please share your creations with us via the year group emails!</i></p>	<p>https://scratch.mit.edu/projects/editor/?tutorial=getStarted</p>

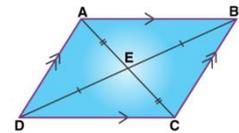


5-a-day

1. $6.1 - 3.317$
2. _____ - 100 = 1,272
3. $0.04 \div 10$
4. 7113×92
5. $100,000 + \text{_____} + 60 = 106,060$

Measurement: Area of a Parallelogram

We have begun to look at how to calculate the area of a parallelogram at school. We're now going to become experts at this today.



1. Write down a definition of a **parallelogram** and make a list of this shape's properties.
2. Watch the clip to learn how to calculate the area of a parallelogram:
<https://vimeo.com/430339748>
3. Complete some quick fire parallelogram area calculations on this website:
<https://mathkite.com/area-of-a-parallelogram/>
4. Use the formula below to calculate the area of the parallelograms on the worksheet.

$$\text{Area of a parallelogram} = \text{Base} \times \text{Perpendicular height}$$

Extra challenge:

Try this problem solving and reasoning question. Remember, there may be more than one answer to the question.

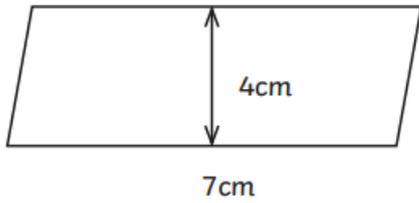
Teddy has drawn a parallelogram.

The area is greater than 44 m^2 but less than 48 m^2 .

What could the base length and the perpendicular height of Teddy's parallelogram be?

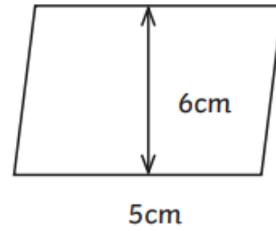
Calculate the area of each parallelogram.

1.



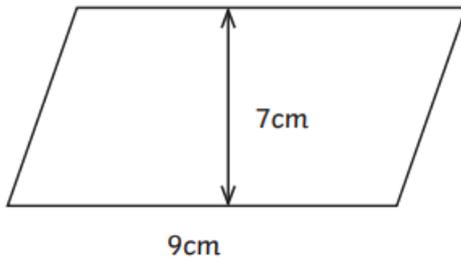
Area =

2.



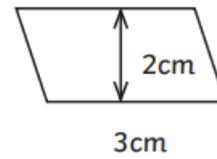
Area =

3.



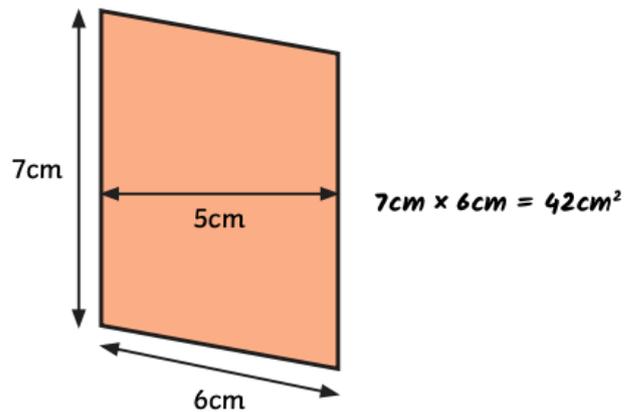
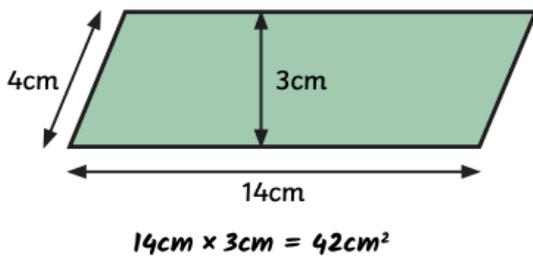
Area =

4.



Area =

Hamish has worked out that each parallelogram has an area of 42cm^2 .



Do you agree with Hamish? Explain why.

THURSDAY

25.02.21

Literacy

	<u>Activity Description</u>	<u>Resources</u>
1	<p>Writing – Pandora Narrative</p> <p><i>Today we're going to plan a narrative that has Pandora as its setting.</i></p> <p><i>We're going to imagine that a team of humans have been sent to explore Pandora.</i></p> <p><i>What might happen when they get there?</i></p> <p><i>Does something happen to their ship when they land?</i></p> <p><i>Are they being hunted by a vicious creature?</i></p> <p><i>Do they have conflict with the Na'vi people?</i></p> <p><i>For some inspiration, there is a link in the resource box to the trailer for Avatar. You could adapt it to write your own version of the story if you're feeling a little stuck.</i></p> <p>1. Using the planning sheet provided, plan out your story. Remember that a good story has build up, a climax and a resolution.</p> <p><i>Don't forget to also think about little details to bring your characters to life.</i></p>	<p><i>Pandora Discovered</i> https://www.youtube.com/watch?v=8KyidW_ON4o</p> <p><i>Avatar Trailer</i> https://www.youtube.com/watch?v=5PSNL1qE6VY</p>
2	<p>SPaG</p> <p>To help with your writing tomorrow, have a go at the Magic Verb game.</p> <p><i>This will help you think of the most suitable, descriptive verbs to use in your writing.</i></p> <p>As you play, think of your own synonyms that aren't listed in the game.</p>	<p>https://games.vocabularyninja.co.uk/games/MagicVerbs/</p>

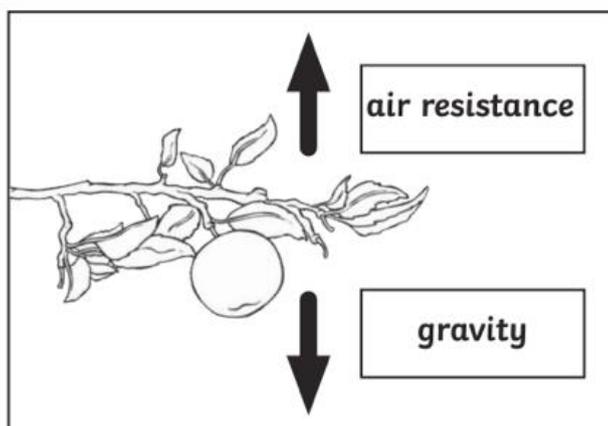
<p>Introduction</p> <ul style="list-style-type: none">• Introduce the main characters• Introduce the story setting	
<p>Build-Up</p> <ul style="list-style-type: none">• Develop the characters and the setting• The points that lead up to the conflict or climax (high point) in the story	
<p>Conflict/Climax</p> <ul style="list-style-type: none">• The conflict or climax in the story• How do the characters react?	
<p>Resolution</p> <ul style="list-style-type: none">• How the conflict is resolved and the ending to the story	

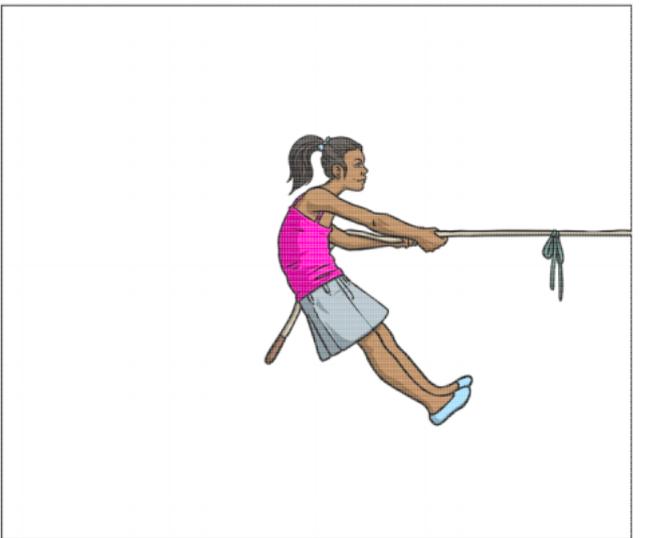
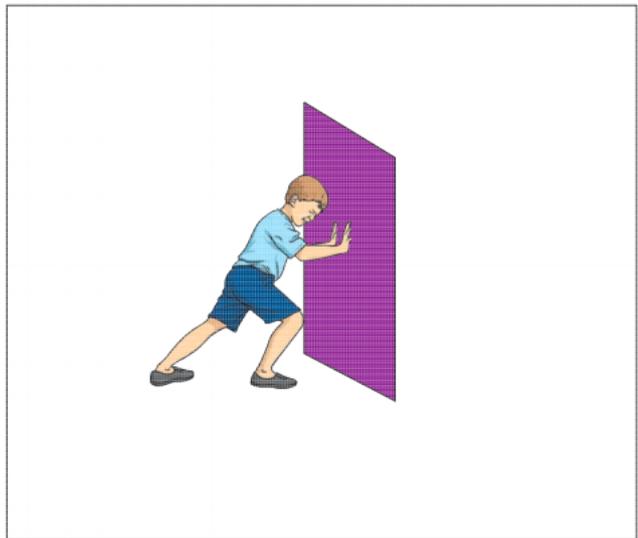
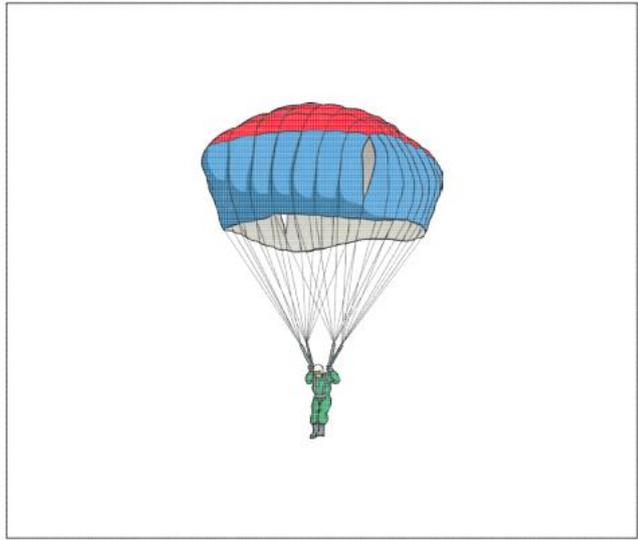
Curriculum Activities

	<u>Activity Description</u>	<u>Resources</u>
1	<p>Science – Forces <i>This term, we're going to be exploring the effect of forces.</i></p> <p><i>Can you explain what a force is?</i></p> <p>1. Watch Clip 1 to learn more about push and pulls.</p> <p>We're going to focus on three different forces today:</p> <ul style="list-style-type: none">• friction• air and water resistance• gravity <p>1. Watch the clips to learn more about each force.</p> <p>2. Draw and label arrows on the images below to show the forces acting on the objects.</p> <p><i>Look at the example and keyword box to help you.</i> <i>Remember that there can be several forces acting on an object all at once!</i></p>	<p>Clip 1: https://www.youtube.com/watch?v=ZLDUrPaLQWE</p> <p>Friction https://www.youtube.com/watch?v=P6_VUfHzaaM</p> <p>Air and Water Resistance https://www.youtube.com/watch?v=fr9JxrqnpGU</p> <p>Gravity https://www.bbc.co.uk/bitesize/topics/zf66fg8/articles/zqbm3k7</p>

Keywords:

air resistance push pull
friction gravity upthrust



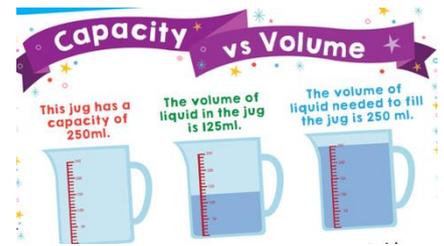


5-a-day

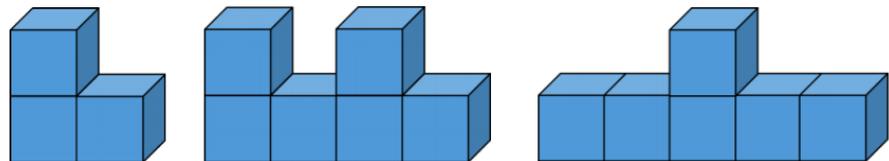
1. $30 + 8^2$
2. $\frac{3}{4} - \frac{5}{8}$
3. 832×51
4. $29,000 - 223$
5. Convert 1.83 km to m =

Measurement: What is Volume?

We're going to deepen our understanding of what volume is. *Volume is the amount of solid space something takes up.* This is different to capacity because capacity is the amount a container can hold. Look at the image to the right to see the difference.

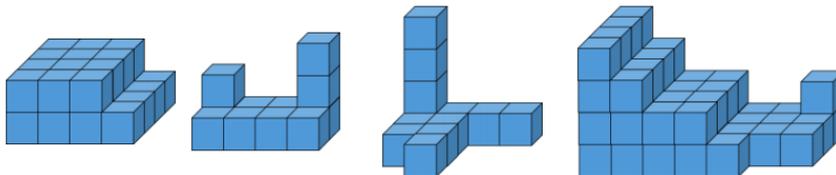


1. Watch this clip to help you understand what volume is and the units of measurement we use to record volume:
<https://www.bbc.co.uk/bitesize/topics/zjbg87h/articles/zcrxtyc>
2. We're going to begin finding the volume of a shape by counting cubes. What is the volume of
 If each cube has a volume of 1 cm^3 , find the volume of each solid.



each of these shapes?

3. Try find the volume of more complex shapes made from cubes:



If each cube has a volume of 1 cm^3 , what is the volume of each shape?

Extra challenge:

Complete the Estimate Volume and Capacity quiz on www.lbq.org. The code will be sent out via Marvellous Me on Thursday morning.

FRIDAY

26.02.21

Literacy

	<u>Activity Description</u>	<u>Resources</u>
1	<p>Writing – Pandora Narrative</p> <p><i>Using your sheet from yesterday, we're now going to write up our Pandora narratives.</i></p> <p><i>You've been doing some fabulous writing on Pandora this week so feel free to use words and phrases you've come up with in your other pieces if you think they would work well in today's writing.</i></p> <p>Don't forget to include these important features in your story:</p> <ul style="list-style-type: none">• title• expanded noun phrases• speech• similes/metaphors• 5 senses• prepositional phrases <p>1. Write your narrative based on Pandora.</p> <p><i>You may want to write your story as a book with pictures, you may want to type it on the computer or you may just want to write it a piece of written text – the choice is yours!</i></p>	
2	<p>SPaG</p> <p>Complete the set activity on Learning by Questions.</p> <p><u><i>Then, check back over your writing from today to make sure that you've punctuated speech correctly!</i></u></p>	<p>https://www.lbq.org/</p> <p><i>The activity code will be sent via Marvellous Me this morning.</i></p>

Curriculum Activities

	<u>Activity Description</u>	<u>Resources</u>
1	<p>PE – Striking for Distance</p> <p><i>We're going to continue working on skills we need in games. Today's focus is striking. We need this skill for many games that use bats.</i></p> <p><i>If you don't have a bat at home, don't worry - we're going to use our hands first!</i></p> <p><i>For today's task, it's best that you go and do not try to complete this inside.</i></p> <p><i>You'll also need to get a sibling, parent or carer involved to play with you.</i></p> <p>1. Watch the clip and work through the various activities. <i>Remember to use soft objects for throwing so you won't hurt your hand.</i></p>	<p>https://www.youtube.com/watch?v=q4aNXE3i7AE&list=PLYGRaluWWTojV3An2WEqsQ4qGFy_91jDL&index=17&t=0s</p>
2	<p>PSHE – Healthy Body and Healthy Mind</p> <p><i>Looking after our physical and emotional well-being is really important. Today we're going to explore the impact that poor emotional or physical health can have on our well-being and how we can help ourselves to feel healthy.</i></p> <p><i>Below are some questions for you to consider.</i></p> <p><i>You don't need to write down the answers but you can discuss your ideas with someone at home.</i></p> <ol style="list-style-type: none"> a. What does 'healthy' look like? b. How does someone who is healthy behave? c. How might you feel if you don't look after your physical health? d. How might you feel if you don't look after your mental health? e. What do you do to make yourself feel better when you're feeling sad or angry or upset? <p>1. Make a list of activities you can do to improve your physical health and your emotional health.</p>	<p><i>Activity sheet on the following page.</i></p>

Physical Health (Your Body)	Mental Health (Your Mind)
<p data-bbox="276 192 719 230"><i>e.g eating vegetables</i></p>	<p data-bbox="868 185 1337 224"><i>e.g. talking about your problems</i></p>

5-a-day

1. $\frac{7}{9} \times \frac{6}{9}$
2. $5 - 1.72$
3. 50×4.4
4. 15% of 85
5. $82, 239 + ? = 91, 321$

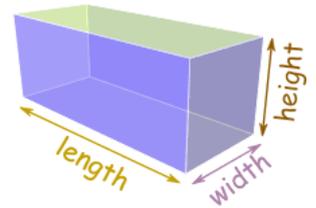
Measurement – Calculating the Volume of Cuboids

Now that we have a better understanding of what volume is, we're going to begin to look at how to calculate the volume of cuboids using a formula.

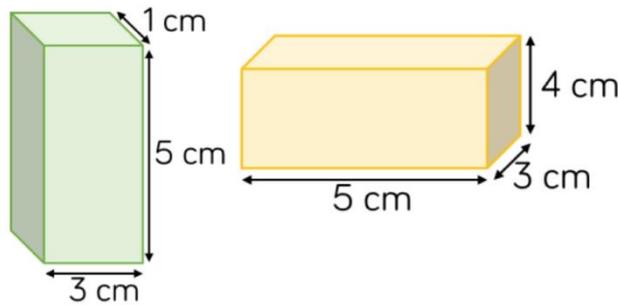
1. Watch the clip to help you understand how we use the 3 dimensions (length, width and height) of a cuboid to calculate its volume:

<https://vimeo.com/430339843>

2. Using the formula we've now learnt, calculate the volume of the cuboids below:



Volume of a cuboid = Length \times Width \times Height



3. Complete the quiz on Calculating the Volume of Cubes and Cuboids on www.lbq.org. The code will be sent via Marvellous Me on Friday morning.

Extra challenge:

Try these problem solving and reasoning questions:

Calculate the volume of the shape.

The volume of the cuboid is 32 cm^3 .

Calculate the height.

You might want to use multilink cubes to help you.

