

Home Learning

YEAR 6

Welcome to our Home Learning Pack

The Year 5/6 team at Lakes Primary would like to send you our thanks for your support with your child's learning at this strange time. Please remember that we are here to help you with any problems you may have, the emails to use are:

Year 5 - RTLYear5@LakesPrimary.co.uk

Year 6 - RTLYear6@LakesPrimary.co.uk

While your child is at home, it is important to still keep in a routine and encourage your child to get up on a morning and get dressed for the day. Make sure they remember to eat regularly and, don't forget, breakfast is the most important meal of the day!



The work packs follow the timetable we use at school to help keep your child in the swing of things. It is also vital to fit in some daily exercise, even in the worst weather, we all know a healthy body helps us keep a healthy mind. This is important in such unusual times.



It is a good idea to make space in every day for some 'family time' too, playing a board game, a family story time, walking the dog together or a family assault course can really cheer up a miserable/rainy day.



Another way to brighten both yours and someone else's day, is to stay in touch with friends and family, a phone or video call can really cheer everyone up. Equally so can a picture or letter through the post.



Finally, we hope you all stay safe and well during the next few weeks and please do not hesitate to contact us if you are worried about either your own or your child's mental health and well-being. We are here always here to help and offer support to you and your family.

Thank you for your continued support.

The Year 5/6 team

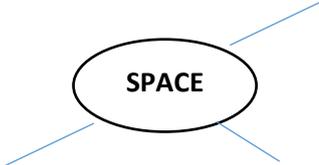
WEDNESDAY

06.01.21

Literacy

	<u>Activity Description</u>	<u>Resources</u>
1	<p>Read the text on 'The ISS' (the International Space Station).</p> <p><i>We encourage the children to underline or circle any words that they are unsure of.</i></p> <p>Use a dictionary or online search to discover the meaning of any words that you are unsure of.</p>	Text is included on the following page.
2	Answer the comprehension questions about the text.	

Curriculum Activities

	<u>Activity Description</u>	<u>Resources</u>
1	<p>Produce a mind map to include everything you currently know about Space.</p> <p><i>There is an example in the resources box to show you how to set it out!</i></p> <p><i>We will add to this at the end of our topic to show all of your new knowledge!</i></p>	 <p style="text-align: center;">There are 8 planets in our solar system.</p>
2	<p>PE</p> <p>Take part in a fitness activity – you could do this on your own or include all of the family!</p> <p><i>There a number of links in the resources section which go to online 'Go Noodle' dance exercise videos and to Joe Wicks workout videos.</i></p> <p>Plan your own fitness activity to complete or to teach to others.</p>	<p>https://www.youtube.com/channel/UCAxW1XT0iEJo0TYIRfn6rYQ</p> <p>https://www.youtube.com/user/GoNoodleGames</p>

Maths

5-a-day

1. $78,932 + 2,389$
2. $167.23 - 38.34$
3. 567×23
4. $945 \div 21$
5. 32.21×100

Co-ordinates

Recap how to read co-ordinates:

<https://www.bbc.co.uk/bitesize/topics/zgthvcw/articles/z96k9qt>

Complete the **Shape Co-ordinates** sheet. Plot out the co-ordinates to reveal and name shapes. Describe the properties for each shape you discover (e.g. it has 4 right angles).

Extra challenge:

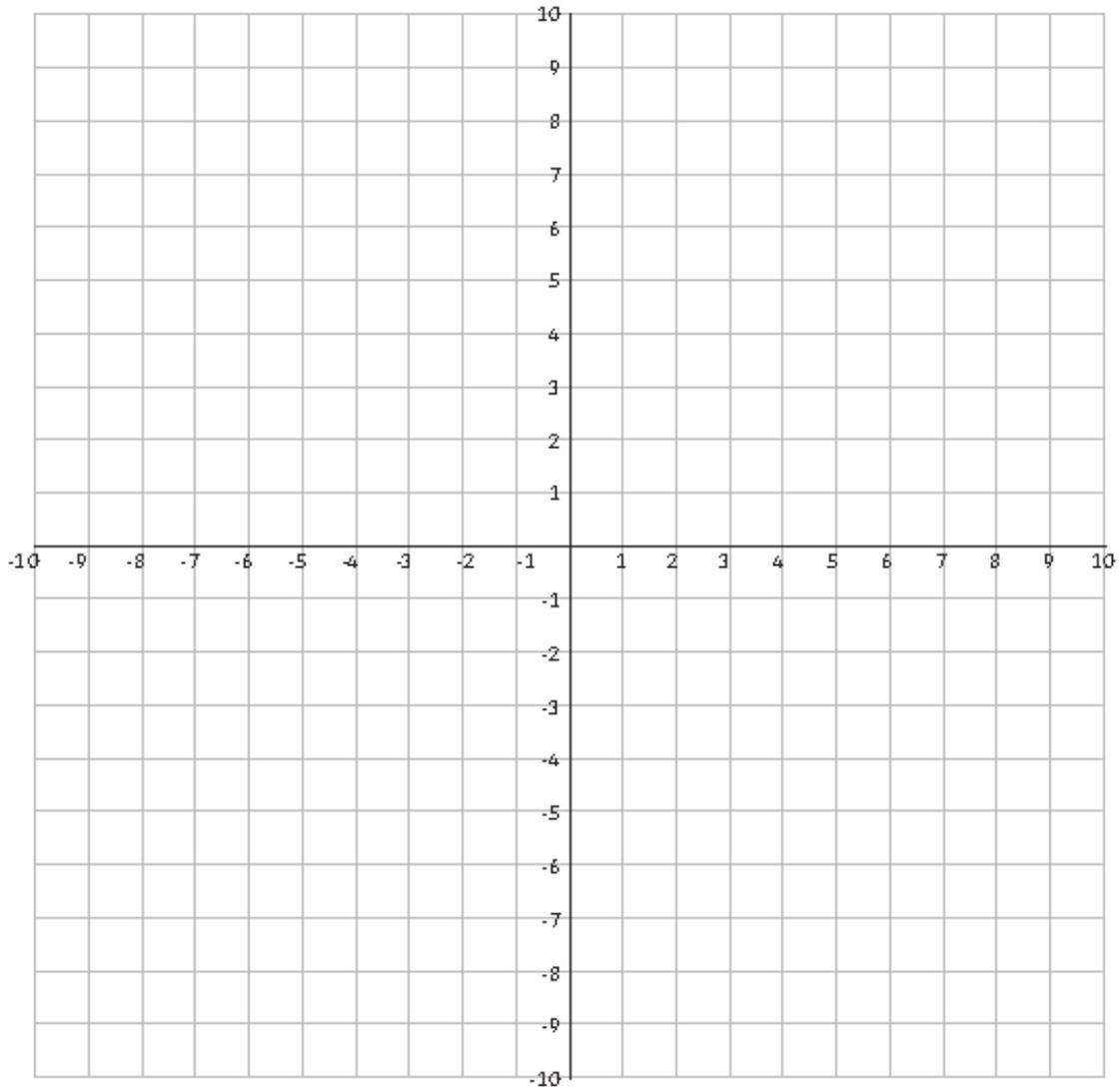
Complete the Co-Ordinate Meeting activity on Mathletics.

Shape Coordinates

For each letter, plot the coordinates to reveal a missing shape.

For each shape, you need to do the following:

- name the shape;
- describe the properties of the shape (think about sides, angles, how it can be described).



- A. $(3,-3)$ $(3,-6)$ $(7,-6)$ _____
- B. $(-7,-3)$ $(-9,-6)$ $(-2,-6)$ $(-4,-3)$ _____
- C. $(-3,0)$ $(-5,2)$ $(-7,0)$ $(-5,-2)$ _____
- D. $(0,4)$ $(3,7)$ $(9,7)$ $(6,4)$ _____
- E. $(-5,4)$ $(-8,4)$ $(-8,6)$ $(-6,8)$ $(-4,6)$ _____

THURSDAY

07.01.21

Literacy

	<u>Activity Description</u>	<u>Resources</u>
1	<p>Research the International Space Station.</p> <p><i>There are lots of wonderful pictures and videos online, especially on the NASA website.</i></p>	<p>https://www.nasa.gov/mission_pages/station/main/index.html</p> <p>https://www.nasa.gov/audience/for_educators/stem-on-station/dayinthelife</p> <p>https://www.bbc.co.uk/newsround/34792835</p>
2	<p>Make notes on the following sections:</p> <ul style="list-style-type: none"> • Construction of the ISS • Living on board the ISS • Working on the ISS • Fun Facts 	

Curriculum Activities

	<u>Activity Description</u>	<u>Resources</u>
1	<p>Art</p> <p>Follow the step-by-step tutorial (use the link provided) to draw your very own space rocket.</p> <p>Try adding colour or shading to give a finished effect to your work.</p> <p><i>We would love to see your finished pieces – make sure they 'blast off' in an email to us!</i></p>	<p>https://www.youtube.com/watch?v=qsjRlfMBNfw</p>
2	<p>PSHE</p> <p>Write down your favourite thing about today.</p> <p>Write down one thing that you would change about your day.</p> <p>What could you do differently tomorrow to change this?</p>	

5-a-day

1. $7,282 + 13,790$

2. $10,000 - 2,278$

3. 253×35

4. $3848 \div 52$

5. Round 83,893 to the nearest 100

Translation with Shapes

Investigate how to translate co-ordinates and shapes on a grid: <https://www.theschoolrun.com/what-is-translation-of-shapes>

Complete the **Translation** worksheet.

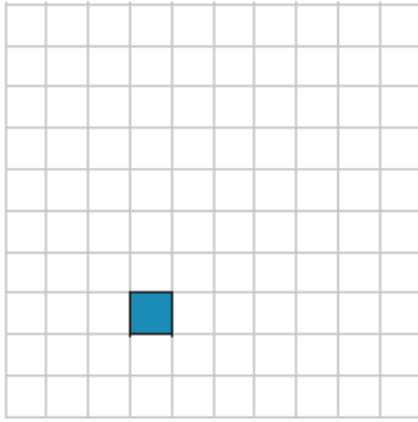
Extra challenge:

Complete the Translation quiz on www.lbq.org.

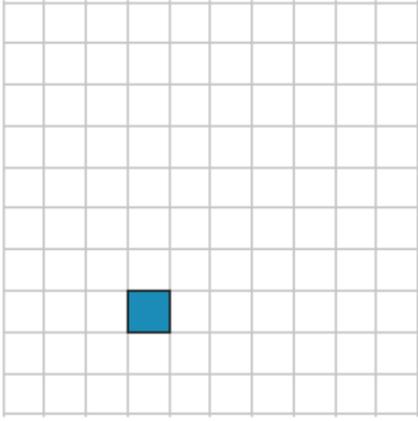
(The code to log-in to the quiz will be sent via Marvellous Me on Thursday morning).

1 Complete the translations.

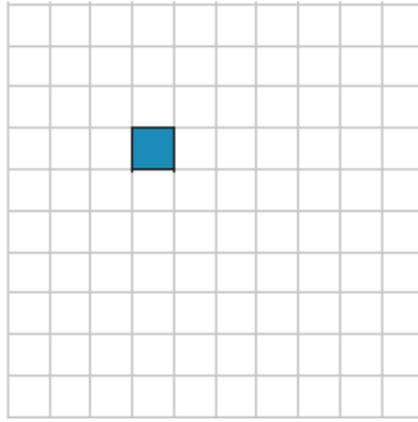
a) Translate the shape 4 squares to the right.



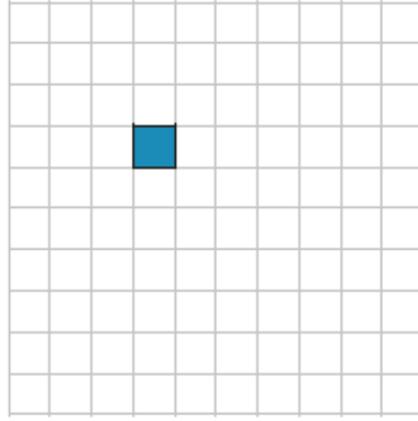
c) Translate the shape 4 squares right, 2 squares up.



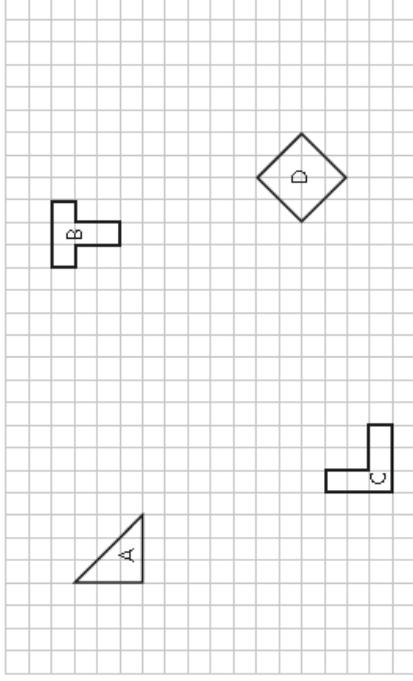
b) Translate the shape 2 squares up.



d) Translate the shape 3 squares left, 5 squares down.

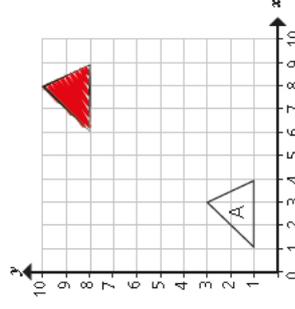


2 Four shapes have been drawn on a grid.



- a) Translate shape A 5 squares to the right and 3 squares down.
- b) Translate shape B 4 squares to the left and 7 squares down.
- c) Translate shape C 6 squares to the left.
- d) Translate shape D 4 squares to the right and 8 squares up.

3 Dora has translated triangle A 2 squares to the right and 7 squares up.



Is Dora's drawing correct? _____
Explain why.

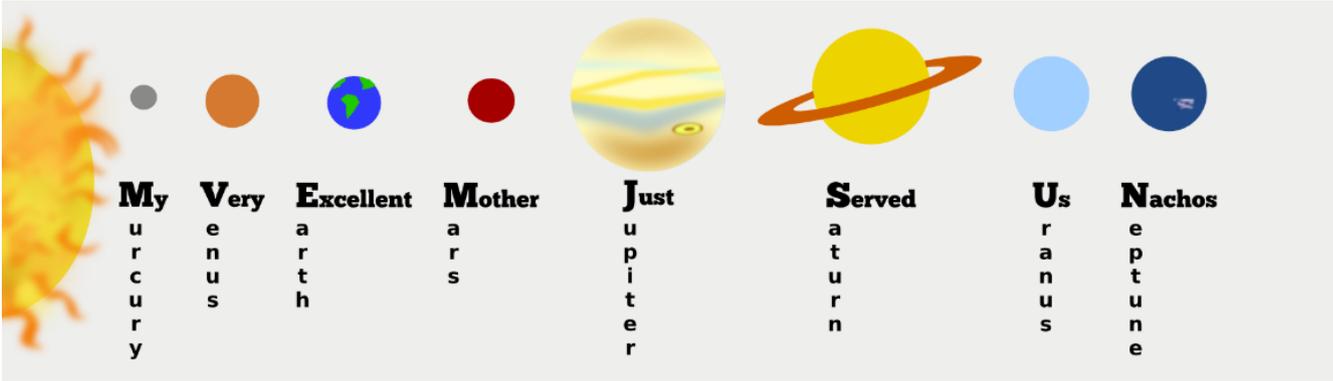
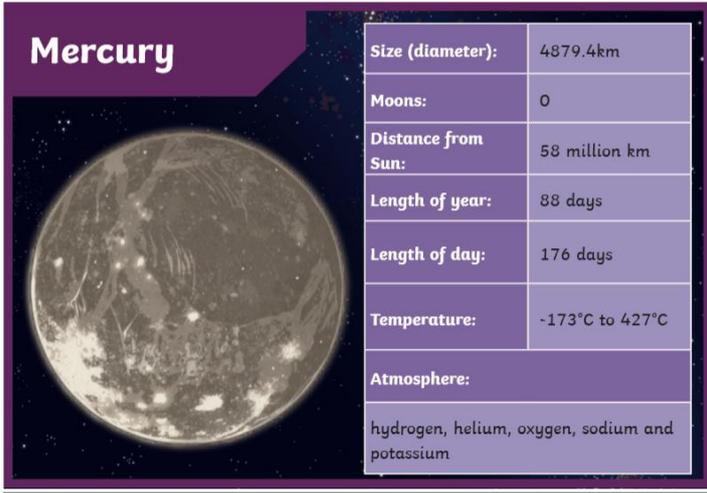
FRIDAY

08.01.21

Literacy

Literacy		
	<u>Activity Description</u>	<u>Resources</u>
1	<p>Present the information that you have found as either a poster or individual fact cards.</p> <p>You could use the information to create a quiz for another member of your family.</p>	<p>https://www.nasa.gov/mission_pages/station/main/index.html</p> <p>https://www.nasa.gov/audience/for_educators/stem-on-station/dayinthelife</p> <p>https://www.bbc.co.uk/newsround/34792835</p>
2	<p>Choose some facts to extend with further information and detail.</p>	

Curriculum Activities

Curriculum Activities		
	<u>Activity Description</u>	<u>Resources</u>
1	<p>Science</p> <p>Investigate what makes up our solar system by watching this clip:</p>	<p>https://www.bbc.co.uk/bitesize/topics/zdrrd2p/articles/ztsqj6f</p>
2	<p>Below is a mnemonic to help us remember the names of the planets in our solar system. Create your own mnemonic to help you remember the order and names of the planets.</p> <div style="text-align: center; padding: 10px;">  </div>	
3	<p>Below is a fact file for the planet Mercury. Choose a different planet (you could even do one for each!) to create your own planet fact file. Use the internet or books at home to research facts.</p> <div style="text-align: center; padding: 10px;">  </div>	
<p>Here are some links to useful websites:</p> <p>https://spaceplace.nasa.gov/planets/en/ https://nineplanets.org/kids/</p>		

5-a-day

1. $\frac{4}{6} + \frac{2}{3}$

2. _____ = 93 - 63

3. $\frac{2}{5} \times 5$

4. $775 \div 31$

5. _____ + 4, 000 + 400 = 3, 004, 400

Translation with Co-ordinates

Yesterday we looked at translating shapes. Today, we're going to look at translating co-ordinates in all four quadrants. Work through the **Translations** video via this link:

<https://whiterosemaths.com/homelearning/year-6/week-13-geometry-position-direction/>

Complete the Animal Translations activity. Write down the co-ordinate of each animal and then follow the instructions to translate each animal to a new position on the grid.

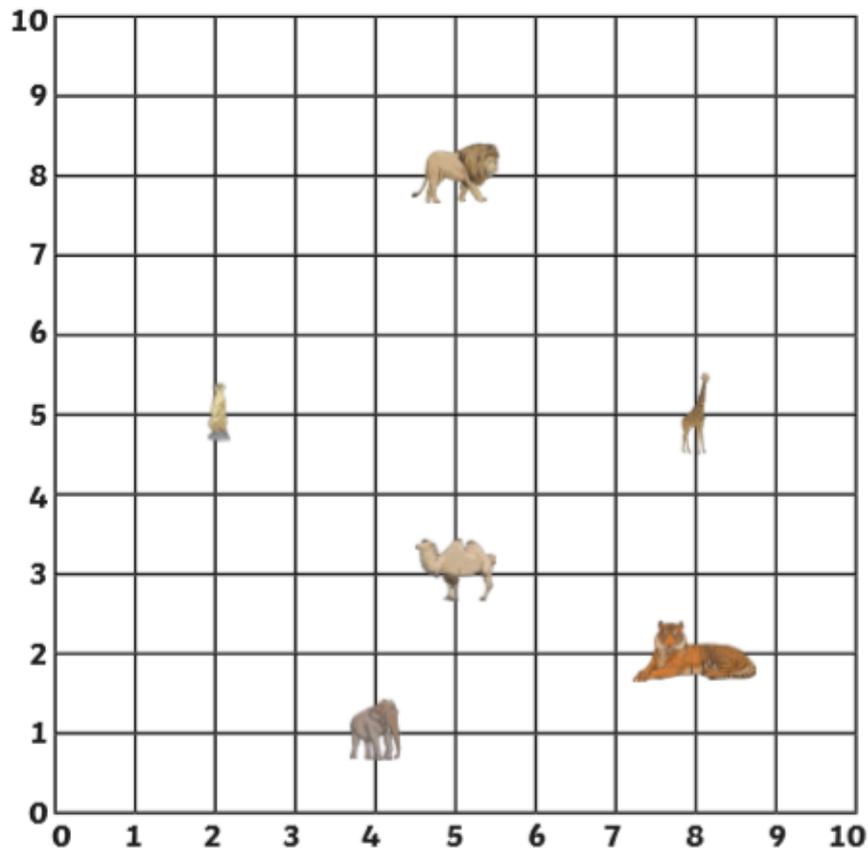
Extra challenge:

Play the **Reasoning About Co-Ordinates and Shapes** game:

<https://mathsframe.co.uk/en/resources/resource/153/coordinates-reasoning-about-position-and-shapes>

Choose the level you feel confident or work your way up through the levels.

Write the coordinates of the animal, then translate them and write the new coordinate.



Animal	Original coordinate	Translation	Finishing coordinate
	(,)	Left 2, Down 3	(,)
	(,)	Right 1, Down 3	(,)
	(,)	Left 2, Up 4	(,)
	(,)	Right 4, Up 2	(,)
	(,)	Left 5, Down 2	(,)
	(,)	Right 4, Up 5	(,)