

**June 22<sup>nd</sup> 2020**

Hello 6G,

Welcome to another week of learning. Some of our pupils have returned to class this week and it is lovely to see them. I hope that we will all be able to work together to keep making progress and doing wonderful things. For those of you still working at home, I have attached some of the activities that will be completed in school. I hope that you will be able to have a go.

Mrs Green

**English:**

This week we will be watching a documentary about the evolution of dragons; you can find it here <https://www.youtube.com/watch?v=8FIDeOOL52Q>

Produce a piece of non-fiction writing based on the information within the documentary. You can use any ideas you wish for this, but I have included some examples:

- An explanation text based on how dragons fly and breathe fire
- An information text describing dragon evolution
- A discussion text based on whether dragons were real
- A glossary of technical vocabulary

Think about your sentence structure and the vocabulary that you will use to reach your audience. Also consider using diagrams and captions to improve your writing.

If you are unable to watch the video, you can produce this writing as an imaginative piece instead.

As well as this, you should be working on Bedrock vocabulary and reading as much as you can. We will be reading The Hobbit in school. There are versions of it available on line, if you want to read too.

**Science:**

We will be looking at plants and animals in their habitats this week and considering how they are grouped and classified. You could try some of these activities at home too.

1: What plants and animals can you find? You could look in your garden, yard or when out on a walk. Can you sketch them and draw a labelled diagram? Can you find out what the organism is called?

2: Read the attached information about Carl Linneaus and produce a poster about his importance.

**PE**

We are going to be having a go at the 'Couch to 5K' running programme. If you get the opportunity to go out, you could have a go to. After a warm-up walk, run for 60 seconds and then walk for 90 seconds. Repeat this until you have run 8 times. Try to do this 3 times in the week.

**Maths:**

All of our maths this week will be investigations. I am attaching sheets for you to have a go at and there are some links to other activities. <https://nrich.maths.org/10426>

As well as this, you should be using Mathletics and times table rock stars through the week.

Make the numbers from 1-30 using only 1, 2, 3, 4 and +, -, x, ÷. You must use each number once for every solution – you can use any combination of operations. Remember to use BODMAS to help you.

I have given you a couple of examples:

1	16
2	17
3	18
4	19
5	20
6	21
7	22
8	23
9	24
10	25
11	26
12	27
13	28
14	29
15	30

Don't worry if you can't find them all – just have a go!

Make the numbers from 1-20 using four 4's and +, -, x, ÷. You must use all four 4s each time, but any combination of operations. Remember to use BODMAS to help you.

I have given you a couple of examples:

1	11
2	12
3	13
4	14
5	15
6	16
7	17
8	18
9	19
10	20

Don't worry if you find it tricky – just have a go!

Finding Links:

Find the link:

The set of numbers below are linked by the same mathematical process.

5	1	7	+ 4
9	5	11	x 7
63	35	77	

Answer: Add 4 to the top box and multiply your answer by 7.

Try these 

Find the process ... mild

A	2	3	5	B	10	8	13
	4	5			12	10	
	16	20			6	4	
C	3	5	8	D	21	7	35
	9	15			3	1	
	19	25			8	6	

Answer 

Find the process ... moderate

A	<table><tr><td>40</td><td>76</td><td>22</td></tr><tr><td>27</td><td>63</td><td></td></tr><tr><td>3</td><td>7</td><td></td></tr></table>	40	76	22	27	63		3	7		B	<table><tr><td>4</td><td>7</td><td>8</td></tr><tr><td>16</td><td>49</td><td></td></tr><tr><td>50</td><td>83</td><td></td></tr></table>	4	7	8	16	49		50	83	
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27	63																				
3	7																				
4	7	8																			
16	49																				
50	83																				
C	<table><tr><td>100</td><td>60</td><td>10</td></tr><tr><td>20</td><td>12</td><td></td></tr><tr><td>10</td><td>6</td><td></td></tr></table>	100	60	10	20	12		10	6		D	<table><tr><td>55</td><td>99</td><td>121</td></tr><tr><td>5</td><td>9</td><td></td></tr><tr><td>50</td><td>54</td><td></td></tr></table>	55	99	121	5	9		50	54	
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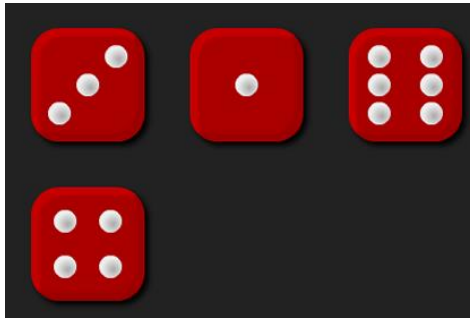
Answer

Find the process ... more taxing

A	<table><tr><td>36</td><td>81</td><td>16</td></tr><tr><td>6</td><td>9</td><td></td></tr><tr><td>-1</td><td>2</td><td></td></tr></table>	36	81	16	6	9		-1	2		B	<table><tr><td>-10</td><td>0</td><td>-3</td></tr><tr><td>2</td><td>12</td><td></td></tr><tr><td>10</td><td>60</td><td></td></tr></table>	-10	0	-3	2	12		10	60	
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6	9																				
-1	2																				
-10	0	-3																			
2	12																				
10	60																				
C	<table><tr><td>4</td><td>10</td><td>7</td></tr><tr><td>16</td><td>100</td><td></td></tr><tr><td>64</td><td>1000</td><td></td></tr></table>	4	10	7	16	100		64	1000		D	<table><tr><td>0.03</td><td>0.08</td><td>0.24</td></tr><tr><td>30</td><td>80</td><td></td></tr><tr><td>7.5</td><td>20</td><td></td></tr></table>	0.03	0.08	0.24	30	80		7.5	20	
4	10	7																			
16	100																				
64	1000																				
0.03	0.08	0.24																			
30	80																				
7.5	20																				

Answer

## Round the Four Dice



There are four dice, each of them with faces labelled from 1 to 6. When the dice are rolled they can be combined in twenty four different ways to make a four-digit number.

For example, if I roll a 1, 2, 3 and 4 I can combine them to make:  
1234, 1243, 1324, 1342, 1423, 1432, 2134, 2143, 2314, 2341, 2413, 2431,  
3124, 3142, 3214, 3241, 3412, 3421, 4123, 4132, 4213, 4231, 4312 or 4321.

Now pick four different four-digit numbers from the list and round each of them to the nearest multiple of 1000. For example, 1324 rounds to 1000, 2314 rounds to 2000, 4312 rounds to 4000 and 4123 rounds to 4000.

\* Do the four four-digit numbers you choose ever all round to the same multiple of 1000?

\* Do the four four-digit numbers you choose ever round to unique multiples of 1000?