

Home Learning	W/C: Monday 6 <sup>th</sup> July	Year: 5						
<p><i>Hi Year 5! We hope you're all well and keeping busy, especially keeping your brains busy! As well as the activities suggested here, remember that we add activities to My Maths every week. Also, you can always go on to BBC Bitesize Daily Lessons...choose Year 5, chose a subject and have a go!</i></p>								
	English	Maths						
Monday	<p>This week, we're going to continue with the story of Kizzy from The Diddakoi by Rumer Godden, which I hope you're enjoying. As we have said before, if you ever get a chance to read the book, please do.</p> <p>Last week, we left Kizzy wondering why Miss Brooke wasn't telling her off for flooding the bathroom!</p> <p>Now for Episode 5 'No Escape';</p> <p><a href="https://www.youtube.com/watch?v=VlznMV3aEJQ">https://www.youtube.com/watch?v=VlznMV3aEJQ</a></p>	<p><b>Factors</b></p> <p>Watch this video: <a href="https://www.youtube.com/watch?v=0NvLtTwnUHs">https://www.youtube.com/watch?v=0NvLtTwnUHs</a></p> <p>Write 2 multiplication and 2 division statements to show the factors of these numbers:</p> <table border="1" data-bbox="1077 523 2029 596"> <tr> <td style="text-align: center;"><b>12</b></td> <td style="text-align: center;"><b>125</b></td> <td style="text-align: center;"><b>200</b></td> </tr> <tr> <td style="text-align: center;"><b>36</b></td> <td style="text-align: center;"><b>60</b></td> <td style="text-align: center;"><b>1350</b></td> </tr> </table> <p>Extension: Roll a dice to create numbers for more multiplication and division sentences. Write word problems to match each statement.</p>	<b>12</b>	<b>125</b>	<b>200</b>	<b>36</b>	<b>60</b>	<b>1350</b>
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Tuesday	<p>A lot has happened during this episode!</p> <p>Can you write a summary of the sequence of events in Episode 5?</p> <p>You can write it in detail using paragraphs or you may prefer to set it out as a storyboard, adding details as necessary.</p> <p>When you have finished your summary, watch the episode again to check that you have included everything that happened.</p>	<p><b>Understanding Prime Numbers and Factor Trees</b></p> <p>Can you remember what a prime number is? Do you recall colouring in all the prime numbers up to 100 on a hundred square in class? You can do this again if you want to print out the 100 square below.</p> <p>Watch this video: <a href="https://www.youtube.com/watch?v=tW97UU01ShY">https://www.youtube.com/watch?v=tW97UU01ShY</a></p> <p>Draw prime factor trees for these multiples:</p> <table border="1" data-bbox="1077 1027 2029 1101"> <tr> <td style="text-align: center;"><b>24</b></td> <td style="text-align: center;"><b>84</b></td> <td style="text-align: center;"><b>108</b></td> </tr> <tr> <td style="text-align: center;"><b>60</b></td> <td style="text-align: center;"><b>144</b></td> <td style="text-align: center;"><b>150</b></td> </tr> </table>	<b>24</b>	<b>84</b>	<b>108</b>	<b>60</b>	<b>144</b>	<b>150</b>
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Wednesday	<p>At the beginning of the episode, Kizzy kept going to Admiral Twiss' house after school. Why was she doing that? Who was she trying to avoid? What happened when the other girls found out which way Kizzy was going when she left school?</p> <p>Describe what happened in detail. You could write from the point of Kizzy or one of the other girls. Don't forget about</p>	<p><b>Using Mental Calculations</b></p> <p>Sometimes using mental calculations can be quicker than writing down. Using what you know can help you solve difficult problems or harder calculations.</p> <p>For example:</p> <p>If you were multiplying a number by 4, you could just double it and double it again.</p> <p>So <math>20 \times 4</math> is just double <math>20 = 40</math> then double <math>40 = 80</math></p> <p>If you were multiplying by 15 then you can times the original number by 10, then halve</p>						

	<p>feelings and emotions.</p>	<p>it and add.  246 X 15 would be:  246 X10 = 2460 then halve that = 1230 then add the two numbers together.  Solve these:</p> <table border="1" data-bbox="1077 336 2018 472"> <tr> <td>87X15</td> <td>468X5</td> <td>340X4</td> </tr> <tr> <td>146X4</td> <td>2354X20</td> <td>125X15</td> </tr> </table> <p>How would you check these answers?</p>	87X15	468X5	340X4	146X4	2354X20	125X15
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146X4	2354X20	125X15						
<p>Thursday</p>	<p>Kizzy began collecting things in a bag from Miss Brooke's house. What do you think she was planning to do?</p> <p>Imagine that you are going on an adventure somewhere, anywhere you like. For example, Miss Fletcher says that she would like to travel in space and Miss Gordon says that she would like to explore the seas of the world. It could be anywhere; real or imaginary.  Make a list of the things you would need to take with you and explain why.  Have a look at this lesson to remind yourselves about how to use bullet points;  <a href="https://www.bbc.co.uk/bitesize/topics/zvwxnb/articles/z2yydxs">https://www.bbc.co.uk/bitesize/topics/zvwxnb/articles/z2yydxs</a></p>	<p><b>Scaling Up and Down</b>  To multiply by scaling up you increase the size by a certain number of times.  To divide by scaling down you find a fraction of the size.</p>  <p>The purple counters represent 5 times the number of green counters.</p>  <p>If the green counter represents 125, what number is shown by the purple counters?</p> <p>Draw diagrams to illustrate the following problems. You can use bar models or counters.</p> <table border="1" data-bbox="1077 1267 2029 1342"> <tr> <td>25 X 5</td> <td>38 X 6</td> <td>248 ÷ 4</td> </tr> <tr> <td>32 X 4</td> <td>90 ÷ 5</td> <td>360 ÷ 6</td> </tr> </table>	25 X 5	38 X 6	248 ÷ 4	32 X 4	90 ÷ 5	360 ÷ 6
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<p>Friday</p>	<p>The Focus today is spelling! Here are some suggested</p>	<p><b>Investigate</b></p>						

	<p>websites for online spelling games and activities but you are welcome to use other websites or make up your own game using the Year 5/6 spellings!</p> <p><a href="https://www.spellzone.com/word_lists/games-798710.htm">https://www.spellzone.com/word_lists/games-798710.htm</a></p> <p><a href="https://www.bbc.co.uk/bitesize/topics/zt62mnb/articles/z7skdxs">https://www.bbc.co.uk/bitesize/topics/zt62mnb/articles/z7skdxs</a></p> <p><a href="https://www.topmarks.co.uk/english-games/7-11-years/spelling-and-grammar">https://www.topmarks.co.uk/english-games/7-11-years/spelling-and-grammar</a></p>	<p>Draw a bar. Label it 36.          Draw a second bar underneath that is three times longer.          Find the value of the longer bar.</p> <div style="border: 1px solid black; width: 80px; text-align: center; margin: 5px 0;">36</div> <div style="border: 1px solid black; width: 250px; text-align: center; margin: 5px 0;">?</div> <p>How did you find the value of the bar?</p> <p>Draw more bars and label them with 2 digit numbers. Find the value of each bar when it is scaled up by different amounts (multiplying) or scaled down (dividing by finding a fraction of each bar).</p> <p>Example:</p> <div style="border: 1px solid black; width: 110px; text-align: center; margin: 5px 0;">12</div> <div style="border: 1px solid black; width: 310px; text-align: center; margin: 5px 0;">X3</div> <div style="border: 1px solid black; width: 415px; text-align: center; margin: 5px 0;">X4</div> <div style="border: 1px solid black; width: 40px; text-align: center; margin: 5px 0;">1/3</div> <p>12 X 3 =          12 X 4 =          1/3 of 12 =</p>
EXTENSION;	<p>Earlier this year, some of you entered the 500 word competition with the BBC. Sadly, we didn't get through to the finals but there is a new competition that we thought some of you would like to have a go at.          It is a competition to write a play for the theatre! And you</p>	<p><b>Extension - Solve these problems then write your own:</b></p> <ol style="list-style-type: none"> <li>1. Sam had 25 marbles. Ben had five times as many. How many marbles did Ben have?</li> <li>2. Penny had 38 cherries. Suzi had 6 times as many. How many cherries did Suzi</li> </ol>

don't have to write the full play straight away! Have a look at this website for the details;  
<https://www.bbc.co.uk/programmes/articles/1SCKS8VmFFGvyggKbqGGyds/as-you-write-it-your-play-on-stage>

have?  
3. Nav had 310. Alf had a quarter of that amount. How much money did Alf have? Bertie had a piece of string 2 metres in length. Mavis had a piece an eighth of that length. How much more string did Bertie have?

#### Enrichment Tasks

Continuing from last week....during the remainder of this Summer term, our theme is Science-based. It's a study about our solar system including the sun, moon and earth. You can extend your investigations to other planets in our solar system.

During your investigation you should find out the following information;

- How the Earth, the Moon and the Sun move in relation to each other.
- How we get night, day, days, months and years.
- What a solar and a lunar eclipse is.
- The name of our solar system and the names of the planets it is made up of, in which order.
- Compare the planets; sizes, temperatures, colours etc.
- Investigate how the names of the planets in our solar system are linked to things in Earth's history.

There is absolutely loads of information on the internet that you could research and a scientific TV presenter, Brian Cox, has done a whole series of programmes about the planets on BBCiplayer.

<https://www.bbc.co.uk/iplayer/episodes/p07922lr/the-planets>

There was a famous composer, Gustav Holst, who wrote music based on the planets. Find out what you can about Holst and listen to The Planets;

<https://www.youtube.com/watch?v=Isic2Z2e2xs>

You could have a go at making your own model of our solar system. Here are 2 different methods of creating the planets;

<https://www.youtube.com/watch?v=Lac7DUv-OnQ>

[https://www.youtube.com/watch?v=Cxv\\_kxq5vlg](https://www.youtube.com/watch?v=Cxv_kxq5vlg)

Create an information booklet on the subject and add diagrams, pictures, funny facts...anything you would like!

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

