

Home Learning	W/C: Monday 29 <sup>th</sup> June	Year: 5
Hi Year 5! We hope you're all well and enjoying the blazing sunshine!		
	English	Maths
Monday	<p>Kizzy's life is changing dramatically from the simple life in the wagon with her grandma to now living with Admiral Twiss, but will she be allowed to stay there?</p> <p>Watch episode 4; 'Into Care'</p> <p><a href="https://www.youtube.com/watch?v=RR44VthwXQI">https://www.youtube.com/watch?v=RR44VthwXQI</a></p>	<p>Percentages are amounts of a whole divided into hundredths. One percent is equivalent to <math>\frac{1}{100}</math></p> <p>Percentages can also be shown as fractions or decimal fractions. Complete the table (you may print the <b>table from the resources</b> or draw out your own).</p> <p>Watch this video: <a href="https://www.youtube.com/watch?v=kmVfZ9o-2gg">https://www.youtube.com/watch?v=kmVfZ9o-2gg</a> EXTENSION: Can you explain the relationship between fractions, decimals and percentages?</p>
Tuesday	<p>Comprehension questions about the episode;</p> <ol style="list-style-type: none"> <li>1. What does the title of the episode 'Into Care' mean?</li> <li>2. Who first visited Kizzy?</li> <li>3. What happened as a result of that visit?</li> <li>4. What did Prudence tell Kizzy?</li> <li>5. How did Admiral Twiss feel about what was going to happen?</li> <li>6. How did Mrs Cuthbert behave in court?</li> <li>7. What was decided in court?</li> <li>8. What did Admiral Twiss ask Kizzy to do?</li> <li>9. How did Kizzy behave at Miss Brooke's house?</li> </ol>	<p><b>Understanding Percentages</b></p> <p>To work out a percentage of a whole number, find 10% first then use this to help you find other percentages. Remember doing this in class? We drew a diagram to help us work out the helpful % of a number.</p> <div data-bbox="1137 916 1957 1219" data-label="Diagram"> <pre> graph TD     160[160] -- 1% --&gt; 1.6((1.6))     160 -- 5% --&gt; 8((8))     160 -- 10% --&gt; 16((16))     160 -- 50% --&gt; 80((80)) </pre> </div> <p>To find a % of the original number it is always best to find 10%, 1%, 50% and 5%. Then you can use other skills (like adding, subtracting, doubling and halving) to help you solve other problems. For example:</p>

		<p>To find 17% of 160 you would do:  <math>10\% + 5\% + 1\% + 1\%</math>  <math>16 + 8 + 1.6 + 1.6 = 27.2</math></p> <p><b>Use this diagram method to solve these problems:</b></p> <p>a) 17% of 180  b) 23% of 210  68% of 432</p>						
Wednesday	<p>Kizzy behaved quite inappropriately in the court room. Why do you think she bit Mr Blunt's hand?</p> <p>Can you write a paragraph or two, explaining how Kizzy must have felt and why she behaved poorly. Do you think the judge, the social worker and the school board handled the situation correctly?</p> <p>If you had been the judge, what would you have done?</p>	<p><b><u>Calculating Percentages of Numbers</u></b></p> <p>Refer to yesterday's learning and method and solve these problems:</p> <table border="1"> <tr> <td>20% of £60</td><td>5% of £12</td><td>75% of £88</td></tr> <tr> <td>60% of £268</td><td>57% £365</td><td>94% of £428</td></tr> </table>	20% of £60	5% of £12	75% of £88	60% of £268	57% £365	94% of £428
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Thursday	<p>Miss Brooke mentions some of the gypsy traditions to the judge when they were in court. Why do you think she did that?</p> <p>She said, 'Different doesn't necessarily mean bad..' What does she mean by that?</p> <p>How does that apply to life today?</p>	<p><b><u>Converting Percentages to Fractions and Decimals</u></b></p> <p>Write these percentages as fractions and decimals.</p> <p>a) 30%      b) 48%      c) 54%      d) 25%</p> <p>e) 36%      f) 75%      g) 90%      h) 80%</p> <p>Make sure you reduce the fractions to their lowest form.</p> <p><b>Extension: Explain how you worked these out.</b></p>						
Friday	<p>Kizzy made a promise to Admiral Twiss which she is sticking to, but she's managed to find a few loop-holes to be able to misbehave at Miss Brooke's house! Why do you think Kizzy flooded the bathroom? How did Miss Brooke react? Why was Kizzy surprised at Miss Brooke's reaction? How do you think Kizzy felt at the end of the episode?</p> <p>Have you ever done something a bit naughty like Kizzy did? Write a diary entry about it (you can make something up if</p>	<ul style="list-style-type: none"> <li>• Make a poster or booklet explaining the relationship between fractions, decimals and percentages.</li> <li>• Create a board game based on fractions, decimals and percentages.</li> </ul> <p>Create a matching card game based on fractions, decimals and percentages. You can use the cards below but will have to add some of your own.</p>						

	you like!)	
Enrichment Tasks		
<p>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.</p> <p>During your investigation you should find out the following information;</p> <ul style="list-style-type: none"> <li>• How the Earth, the Moon and the Sun move in relation to each other.</li> <li>• How we get night, day, days, months and years.</li> <li>• What a solar and a lunar eclipse is.</li> <li>• The name of our solar system and the names of the planets it is made up of, in which order.</li> <li>• Compare the planets; sizes, temperatures, colours etc.</li> <li>• Investigate how the names of the planets in our solar system are linked to things in Earth's history.</li> </ul> <p>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.</p> <p><a href="https://www.bbc.co.uk/iplayer/episodes/p07922lr/the-planets">https://www.bbc.co.uk/iplayer/episodes/p07922lr/the-planets</a></p> <p>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;</p> <p><a href="https://www.youtube.com/watch?v=Isic2Z2e2xs">https://www.youtube.com/watch?v=Isic2Z2e2xs</a></p> <p>You could have a go at making your own model of our solar system. Here are 2 different methods of creating the planets;</p> <p><a href="https://www.youtube.com/watch?v=Lac7DUv-OnQ">https://www.youtube.com/watch?v=Lac7DUv-OnQ</a></p> <p><a href="https://www.youtube.com/watch?v=Cxv_kxq5vlg">https://www.youtube.com/watch?v=Cxv_kxq5vlg</a></p>		

Fraction	Decimal	Percentage
$\frac{10}{100}$ or $\frac{1}{10}$	0.1	10 %
$\frac{20}{100}$ or		20%
$\frac{30}{100}$ or	0.3	
$\frac{25}{100}$ or $\frac{1}{4}$	0.25	
$\frac{32}{100}$		32%
$\frac{40}{100}$ or $\frac{4}{10}$ or $\frac{2}{5}$		
or	0.5	
		60%
or	0.75	

<b>10%</b>	<b>20%</b>	<b>30%</b>	<b>40%</b>	<b>50%</b>		
<b><u>10</u></b> <b>100</b>	<b><u>20</u></b> <b>100</b>	<b><u>30</u></b> <b>100</b>	<b><u>40</u></b> <b>100</b>	<b><u>50</u></b> <b>100</b>		
<b>0.1</b>	<b>0.2</b>	<b>0.3</b>	<b>0.4</b>	<b>0.5</b>		



