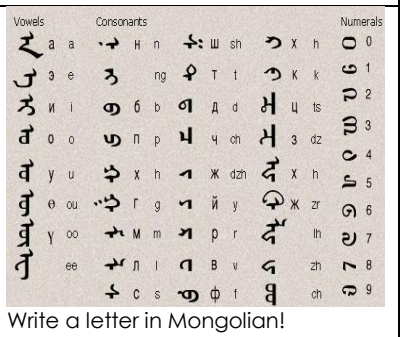
Winton Primary School

Year 6 Autumn Term 1 Homework grid

<table>
<tr><th>Maths</th><th>English</th><th>Topic</th></tr>
<tr><td>1. Write out your alphabet
2. Allocate a price to each letter, e.g. a = 1p, b = 2p, c = 3p, d = 4p, e = 5p, etc.
3. Now work out the cost of your name!
4. Can you devise a £1 sentence?! Try ‘Mittens prevent shivers.’ Or ‘Writing upsets Suzanne.’
5. Devise some £1 funny names or strange sentences of your own!</td><td>Can you create a fact file about Liverpool?</td><td rowspan="5">

Could you design and build a sailing ship that would have been used in the 17th Century?</td></tr>
<tr><td>1. Measure your stride in centimetres.
2. Then take five strides.
3. Measure the distance you have travelled in metres and centimetres.
4. Double this and divide by ten to find an average stride length.
5. Repeat this process to find the average stride length of other people in your home/community.
6. Who has the longest stride?
7. Who has the shortest?
8. Work out how many strides you have to take to walk a kilometre!</td><td>Can you create a diary entry as a character in the Unforgotten coat and write a diary entry describing how it feels to be chased by a demon?</td></tr>
<tr><td>1. Many people don’t realise that halving can make a very good way to do a difficult division in your head!
2. Take this one: 1000 ÷ 8
3. Most people will find this hard!
4. But dividing by 8 is the same as halving three times!
5. 1000 ÷ 2 = 500. Then 500 ÷ 2 = 250. Then 250 ÷ 2 = 125. So 1000 ÷ 8 = 125.
6. Try the calculations below on your friends and family and then amaze them by working out the answers in your head!

2800 ÷ 8 = £10 ÷ 8 = 144 ÷ 8 = 512 ÷ 8 = £1.20 ÷ 8 = 7.
Finally carry out a survey. Ask as many people as you can to divide one million by eight!</td><td>Divide a page in half and write ‘advantages’ on one side and ‘disadvantages’ on the other. If your best friend told you a secret but asked you to promise not to tell anyone, then they told you only to find out it was something very bad, would you tell an adult? Write the advantages and disadvantages of telling someone else.</td></tr>
<tr><td>1. Suppose you had £1,000,000.
2. How long would it take you to give it away (yes, really!) if you gave away £100 per day. Would it take you more or less than one year? More or less than ten years? More or less than 100 years?
3. Ask as many different people you can find this question, giving them the alternatives (1 year, 10 years, 100 years).
4. Don’t give them time to work it out, but record their guesses!
5. Then work out the answer very carefully (bring your working into school).</td><td>Find a picture of the Mongolian Steppe. Could you create a description of what you see?</td></tr>
<tr><td>1. Write down the last six digits of your telephone number!
2. Read this as a number – e.g. three hundred and thirty-four thousand, six hundred and sixty-nine (334669)
3. Can you divide your telephone number by 2? By 3? By 4? Etc.
4. Work out which of the numbers up to 7 will divide exactly into your phone number.</td><td> 
Write a letter in Mongolian!</td></tr>
<tr><td>Try these!
1 x 8 + 1 = 9 x 9 + 7 = 1 x 9 + 1 =
12 x 8 + 2 = 9 x 98 + 6 = 12 x 9 + 2 =
123 x 8 + 3 = 9 x 987 + 5 = 123 x 9 + 3 =
1234 x 8 + 4 = etc. etc.
Can you invent some magical multiplications like this of your own?</td><td></td></tr>
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