



Otter Class Home Learning

Thursday, 22nd October 2020

Dear Otters,

Here is your homework for this half term week:

Reading

Please read for 15 minutes, as often as you can each week, to an adult and make sure they ask you questions about the book you are reading. Remember, at the end of each reading session at home, you should ask your adult to complete your reading record, which we will be checking regularly in class. Please remember to wash your hands before and after handling your books.

Times tables

Please practise the times table you are on daily, using whichever format that helps you (remember you have Times Tables Rock Stars and Mathletics as well!)

Spelling

Remember to start learning your 'words to learn' list in this letter for a test on Friday 6th November. There is also a test on the second column of the Year 3-4 words list, also attached.

Google Classroom

Please complete the on line quiz entitled Roman Army Quiz Take 2.

Maths

Please complete the attached sheet A and either sheet B or C (or both if you wish!)

Do email the class (otter@stmarys.rbksch.org) if you have any questions.

Have a lovely half term!

Mr. Angus, Mrs. Sullivan and Mrs. Wakeling



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Weekly spellings and Key spelling words - test on column two 06.11.20

Otter Class Words to Learn (test 06.11.20)
action
comprehension
division
explosion
television
completion
hesitation
injection
invention
reaction

National Curriculum Key Spelling words Years 3 & 4			
accident(ally)	early	knowledge	purpose
actual(ly)	earth	learn	quarter
address	eight/eighth	length	question
answer	enough	library	recent
appear	exercise	material	regular
arrive	experience	medicine	reign
believe	experiment	mention	remember
bicycle	extreme	minute	sentence
breath	famous	natural	separate
breathe	favourite	naughty	special
build	February	notice	straight
busy/business	forward(s)	occasion(ally)	strange
calendar	fruit	often	strength
caught	grammar	opposite	suppose
centre	group	ordinary	surprise
century	guard	particular	therefore
certain	guide	peculiar	though/although
circle	heard	perhaps	thought
complete	heart	popular	through
consider	height	position	various
continue	history	possess(ion)	weight
decide	imagine	possible	woman/women
describe	increase	potatoes	
different	important	pressure	
difficult	interest	probably	
disappear	island	promise	



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Sheet A

Efficient Subtraction

<p>1. Circle the most efficient way of solving each calculation.</p> <p>A. $5,186 - 4,984 =$ <input style="width: 50px;" type="text"/></p> <table style="width: 100%; text-align: center; border-collapse: collapse;"> <tr> <td style="border: 1px solid green; padding: 2px;">partition</td> <td style="border: 1px solid green; padding: 2px;">take one off both</td> <td style="border: 1px solid green; padding: 2px;">count on</td> </tr> </table> <p>B. $7,956 - 3,214 =$ <input style="width: 50px;" type="text"/></p> <table style="width: 100%; text-align: center; border-collapse: collapse;"> <tr> <td style="border: 1px solid green; padding: 2px;">count on</td> <td style="border: 1px solid green; padding: 2px;">column method</td> <td style="border: 1px solid green; padding: 2px;">take one off both</td> </tr> </table> <p style="text-align: right; font-size: small;">VF</p>	partition	take one off both	count on	count on	column method	take one off both	<p>4. Check the calculation below.</p> <table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td style="text-align: center; padding: 2px;">⁵6</td> <td style="text-align: center; padding: 2px;">⁹10</td> <td style="text-align: center; padding: 2px;">⁹10</td> <td style="text-align: center; padding: 2px;">¹0</td> </tr> <tr> <td style="text-align: center; padding: 2px;">-</td> <td style="text-align: center; padding: 2px;">3</td> <td style="text-align: center; padding: 2px;">7</td> <td style="text-align: center; padding: 2px;">6 2</td> </tr> <tr> <td colspan="4" style="border-top: 1px solid black; text-align: center; padding: 2px;">2 2 3 8</td> </tr> <tr> <td style="width: 25px; height: 20px;"></td> <td style="width: 25px; height: 20px;"></td> <td style="width: 25px; height: 20px;"></td> <td style="width: 25px; height: 20px;"></td> </tr> </table> <p>Is this method efficient?</p> <p>What could have been done to make it more efficient?</p> <p style="text-align: right; font-size: small;">PS</p>	⁵ 6	⁹ 10	⁹ 10	¹ 0	-	3	7	6 2	2 2 3 8							
partition	take one off both	count on																					
count on	column method	take one off both																					
⁵ 6	⁹ 10	⁹ 10	¹ 0																				
-	3	7	6 2																				
2 2 3 8																							
<p>2. There are 7,000 tickets available for a music concert. 5,961 tickets are sold. How many tickets remain unsold?</p> <ul style="list-style-type: none"> • Use a number line. • Use a column method. <p>Which is the most efficient method?</p> <div style="text-align: center; margin-top: 10px;"> </div> <p style="text-align: right; font-size: small;">VF</p>	<p>5. Vanessa says,</p> <div style="display: flex; align-items: center; margin-top: 10px;"> <div style="border: 1px solid gray; border-radius: 15px; padding: 5px; background-color: #f0f0f0;"> <p>An efficient way of completing this calculation would be to add 3 to both numbers</p> </div> </div> <table style="margin-left: auto; margin-right: auto; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="border: 1px solid black; padding: 5px; text-align: center;">9,167</td> </tr> <tr> <td style="border: 1px solid black; padding: 5px; display: flex; justify-content: space-between;"> 2,697 ? </td> </tr> </table> <p>Is she correct? Explain your answer.</p> <p style="text-align: right; font-size: small;">R</p>	9,167	2,697 ?																				
9,167																							
2,697 ?																							
<p>3. Write each subtraction next to an efficient method in the table below.</p> <p style="text-align: center; margin: 5px 0;">$3,206 - 2,950$</p> <p style="text-align: center; margin: 5px 0;">$8,915 - 4,998$</p> <p style="text-align: center; margin: 5px 0;">$7,478 - 2,336$</p> <table style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="border: 1px solid black; padding: 5px; text-align: center;">Counting On</td> <td style="border: 1px solid black; width: 150px; height: 20px;"></td> </tr> <tr> <td style="border: 1px solid black; padding: 5px; text-align: center;">Column Method</td> <td style="border: 1px solid black; width: 150px; height: 20px;"></td> </tr> <tr> <td style="border: 1px solid black; padding: 5px; text-align: center;">Add on to both</td> <td style="border: 1px solid black; width: 150px; height: 20px;"></td> </tr> </table> <p style="text-align: right; font-size: small;">VF</p>	Counting On		Column Method		Add on to both		<p>6. Below are two different methods used to calculate $6,145 - 5,425$. Complete both.</p> <table style="margin-left: auto; margin-right: auto; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="text-align: center; padding: 2px;">⁵6</td> <td style="text-align: center; padding: 2px;">¹1</td> <td style="text-align: center; padding: 2px;">4</td> <td style="text-align: center; padding: 2px;">5</td> </tr> <tr> <td style="text-align: center; padding: 2px;">-</td> <td style="text-align: center; padding: 2px;">5</td> <td style="text-align: center; padding: 2px;">4</td> <td style="text-align: center; padding: 2px;">2 5</td> </tr> <tr> <td colspan="4" style="border-top: 1px solid black; text-align: center; padding: 2px;"></td> </tr> <tr> <td style="width: 25px; height: 20px;"></td> <td style="width: 25px; height: 20px;"></td> <td style="width: 25px; height: 20px;"></td> <td style="width: 25px; height: 20px;"></td> </tr> </table> <p>B.</p> <div style="text-align: center; margin-top: 10px;"> </div> <p>Explain why method A is more efficient than B.</p> <p style="text-align: right; font-size: small;">R</p>	⁵ 6	¹ 1	4	5	-	5	4	2 5								
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⁵ 6	¹ 1	4	5																				
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Sheet B

Add Two 4-Digit Numbers 3

4. Complete each calculation to identify which one has the fewest exchanges.

A.

	4	8	6	1
+	3	1	3	9
<hr/>				
<hr/>				

B.

	7	5	8	2
+	1	6	2	7
<hr/>				
<hr/>				

C.

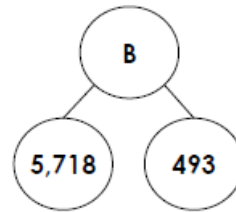
	5	2	0	8
+	3	7	9	2
<hr/>				
<hr/>				



VF
HW/Ed

5. True or false? C is the largest number. Complete each calculation to check.

A	Th	H	T	O
	●●●	●●●●	●●●	●●●●
+		●●●	●●●●	●●●●
<hr/>				



C	
2,360	4,857



VF
HW/Ed

6. Arthur knows that the total must be 6,422. He has filled in the boxes in the calculation below.

	3	7	5	4
+	3	7	7	8
<hr/>				
	6	4	2	2
<hr/>				
	1	1	1	

Is he correct? Prove it.



RPS
HW/Ed



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Sheet C

Add Two 4-Digit Numbers 3

7. Complete each calculation to identify which one has the fewest exchanges.

A. $6,590 + 2,725 =$

B. 6 thousands, 9 hundreds, 3 tens and 2 ones + 2,089 =

C. 8 thousands, 6 hundreds and 38 ones + 796 =



VF
HW/Ext

8. True or false? C is the largest number. Complete each calculation to check.

A	Th	H	T	O
+				

B	
1,688	932

C $4,829 + 2$ thousands,
12 hundreds, 9 tens
and 3 ones



VF
HW/Ext

9. Oskar knows that the total must be 8,062. He has filled in the boxes in the calculation below.

$$\boxed{5}, 9 \boxed{9} 3 + 3, \boxed{1} 7 \boxed{9} = 8, 0 6 2$$

Is he correct? Prove it.



RPS
HW/Ext