Year 2 maths – Summer 2 Week beginning: 13.7.20						
YOU WILL NEED TO USE YOUR MATHS WORKBOOK THIS WEEK						
Theme	Volume Lesson 6 (of 8) Solving Word Problems	Volume Lesson 7 (of 8) Solving Word Problems	Volume Lesson 8 (of 8) Solving Word Problems	Place Value HTO Lesson 1 (of 1) NO WORKBOOK TODAY	Addition Lesson 1 (of 1) Addition of 3 numbers NO WORKBOOK TODAY	
Factual fluency (to aid fluency)	Addition and subtraction word problems (complete 10 questions)	<u>Write multiplication sentences</u> <u>for arrays</u> (complete 10 questions)	Divide by 5 (complete 10 questions)	Add two 2-digit numbers with regrouping (complete 10 questions)	<u>Multiplication facts for 2, 5 and</u> <u> 10</u> (complete 10 questions)	
Problem/ activity of the day Remember, just like in class, you can still show the depth of your knowledge LINK	(Lesson 1 resources below) <u>MAKING LINKS:</u> You have solved many word problems involving bar models in year 2 over the course of the year. Today you will be solving word problems on volume of liquid in litres, involving addition and subtraction. <u>THINK: (support below)</u> Can you help me with this problem? My friend washed her vegetables and fruit. How much water did she use altogether? Our problem is on <u>textbook</u> page 194. Look at it now. If you have online parent access this lesson is based on Year 2 textbook 2B, chapter 15, lesson 5. <u>SEE: (model below)</u> The problem and the solution is shown on page 194 in your textbook. Watch the lesson video here. <u>DO:</u> Use what you have learnt today to solve: Part 1: Questions 1 and 2 from textbook page 195. Check your answers before moving onto: Part 2: Workbook, Chapter 15, Worksheet 5, pages 163-164.	<ul> <li>(Lesson 2 resources below) <u>MAKING LINKS:</u> Yesterday you solved word problems on volume, involving addition and subtraction. Today you will be solving more word problems on volume of liquid involving addition and subtraction.</li> <li><u>THINK: (support below)</u> Can you help me with this problem? The red cup can hold 22ml more water than the green cup. If the red cup holds 85ml of water, how much water can the green cup hold?</li> <li>Our problem is on <u>textbook</u> page 196. Look at it now. If you have online parent access this lesson is based on Year 2 textbook 2B, chapter 15, lesson 6.</li> <li><u>SEE: (model below)</u> The problem and the solution is shown on page 196 in your textbook. Watch the lesson video here.</li> <li><u>DO:</u> Use what you have learnt today to solve: Part 1: Questions a and b from textbook page 197. Check your answers before moving onto: Part 2: Workbook, Chapter 15, Worksheet 6, pages 165-167.</li> </ul>	(Lesson 3 resources below) <u>MAKING LINKS:</u> The past two days you have been solving word problems on volume, involving addition and subtraction. Today you will be solving word problems on volume of liquid, involving multiplication and division. <u>THINK: (support below)</u> Can you help me with this problem? My friend needed to water his plants. He used 5 buckets of water to water the plants. Each bucket contained 4 litres of water. How much water did he use? Our problem is on <u>textbook</u> page 198. Look at it now. If you have online parent access this lesson is based on Year 2 textbook 2B, chapter 15, lesson 7. <u>SEE: (model below)</u> The problem and the solution is shown on page 198 in your textbook. Watch the lesson video here. <u>DO:</u> Use what you have learnt today to solve: Part 1: Question 2 from textbook page 198. Check your answers before moving onto: Part 2: Workbook, Chapter 15, Worksheet 7, pages 168-169. Day 3 resources and answers	(Lesson 4 resources below) <u>MAKING LINKS:</u> At the beginning of Year 2, you learnt about the place value of each digit in a 2-digit number. Today you will be learning about the place value of each digit in a 3-digit number. <u>THINK:(support below)</u> Can you help me with this problem? There are 174 cubes. What does the digit 1 in 174 stand for? What does the digit 7 in 174 stand for? What does the digit 4 in 174 stand for? <u>SEE: (model below)</u> Look at the model below to see how to solve this problem. <u>DO:</u> Use what you have learn today to solve the problems below.	<ul> <li>(Lesson 5 resources below) <u>MAKING LINKS:</u></li> <li>Earlier in the year we learnt about adding together 3 numbers. Today we are going to consolidate that learning by practising this again.</li> <li><b>THINK:(support below)</b> Can you help me with this problem? Look at the vases with flowers. Can you add to find out how many flowers there are in total?</li> <li><b>SEE: (model below)</b> Look at the model below to see how to solve this problem.</li> <li><b>DO:</b> Use what you have learnt today to solve the problems below.</li> </ul>	
clues & checks	(below)	(below)	(below)	(below)	(below)	

See below for resources to support you to THINK-SEE-DO



DAY 1 RESOURCES:			
<b><u>THINK</u></b> : Can you help me with this problem? My friend washed her	SEE: Optional video link.		
vegetables and fruit. The vegetables were in a 2 litre bowl of water			
and the fruit were in a 3 litre bowl of water. How much water did	We can use a bar model to help us solve this problem. We know that the		
she use altogether?	word <b>altogether</b> means we need to find the total amount so we can use		
	addition to solve this word problem. Blue represents the fruit bowl and		
Our problem is on <u>textbook</u> page 194. Look at it now.	green represents the <b>vegetable bowl</b> .		
	Bar model:		
DO: You may draw bar models to help you solve these.			
Part 1:			
Complete questions 1 and 2 from the textbook page 195.			
Check your answers, below.	γ		
	Ş		
Part 2:	<b>Equation:</b> $3 + 2 = 5$		
Now complete pages 163 and 164 of your workbook.			
Chack your approvers below	<b>Statement:</b> My friend used 5 $\ell$ of water altogether.		
DEEPENING (Optional):			
Write your own addition or subtraction word problem involving	Here is another example: A car had 30 litres of petrol at the beginning.		
volume. Get someone in your household to solve them.	After being driven for some time, the car had 12 litres of petrol left. How		
	much petrol did the car use?		
	Bar model:		
	? 12 <i>l</i>		
	<b>Equation:</b> $30 - 12 = 18$		
	Statement: The car used 18 l of petrol.		



DAY 2 RESOURCES:			
<b><u>THINK</u></b> : Can you help me with this problem? The red cup can hold	SEE: Optional video link.		
22ml more water than the green cup. If the red cup holds 85ml of			
water, how much water can the green cup hold?	We can use a bar model to solve this problem. We know that the red		
	cup has 85ml of water and	d it can hold 22	ml <b>more than</b> the green cup.
Our problem is on <u>textbook</u> page 196. Look at it now.	That means the green cup	holds <b>less</b> wat	er. We need to <b>take away</b> to
	find the amount of water t	nat the green o	cup can noia.
	Bar model:	85ml	
		λ	
DO: You may draw bar models to help you solve these.			
Complete questions a and b from the textbook page 197.			
			22ml
Check your answers, below.			
		Υ	
Part 2:		Ś	
Now complete pages 165-167 of your workbook.	<b>Equation:</b> 85 – 22 = 63	85	We can use the column
Check your answers below		- <u>22</u>	method to take away
		<u>63</u>	2-digit numbers
DEEPENING (Optional):			2 algi norno ols.
If I have two beakers that both contain a volume of water that is	Statement: The green cup	can hold 63ml	of water
odd, the total volume of water in both beakers must be even.			
Prove il dria explain your driswer.			



DAY 3 RESOURCES:	
THINK: Can you help me with this problem? My friend needed to water his plants. He used 5 buckets of water to water the plants. Each bucket contained 4 litres of water. How much water did he use? Our problem is on <u>textbook</u> page 198. Look at it now.	SEE: Optional video link.         We can use a multiplication equation to solve this problem. We need to use multiplication to solve this problem because we have 5 groups of 4.         When we have groups of equal amounts we use multiplication.         Bar model:
DO: You may draw bar models to help you solve these.         Part 1:         Solve this word problem:         My friend has 6 bottles of milk. Each bottle of milk is 2 litres. How much milk does my friend have?         Part 2:         Now complete pages 168 and 169 of your workbook.         Check your answers, below.         DEEPENING (Optional):         Complete Review 15 on pages 171 and 172.	Equation: $5 \times 4 = 20$ Statement: My friend used 20 $\ell$ of water. Here is another example: My friend pours 10 $\ell$ of apple juice equally into 5 bottles. How many litres of apple juice does each bottle contain? We need to use division to solve this problem because we are sharing out 10 $\ell$ equally into 5 bottles. When we share out an amount we use <b>division</b> . Bar model: 2 2 2 2 2 2 2 2
	Statement: Each bottle contains 2 & of apple juice.



#### DAY 4 RESOURCES:











DAY 5 RESOURCES:				
<b><u>THINK</u></b> : Can you help me with this problem? Look at the vases with	<b>DO: Part 1:</b> Add these numbers together using your preferred method.			
flowers. Can you add to find out how many flowers there are in				
total?	1. 5 + 9 + 8 =			
	2. 8 + 7 + 6 =			
	3. 16 + 5 + 9 =			
SEE.	4. 5 + 12 + 3 =			
	5. 18 + 3 + 5 =			
are adding together 3, 11 and 7.	6. 28 + 9 + 5 =			
	7. 9 + 10 + 13 =			
7 and 3 mg/ce 10	8. 31 + 22 + 3 =			
3 11 7	9. 7 + 45 + 23 =			
We can use two different methods:	10. 37 + 32 + 4 =			
Method 1: Make 10.         10         Column method to add two 2-digit	Part 2: Make 10 and add.			
= 21 <u>21</u> numbers.	1. 3 + 9 + 7 = +			
<b>Method 2:</b> Add by counting on. Start with your highest number. 11 + 7 + 3 = 21	=			
	2. 4 + 2 + 8 = +			
11 12 13 14 15 16 17 18 19 20 21 22 23	=			
	3. 5 + 7 + 5 =+			
	=			
	Deepening: See below			



#### DAY 5 RESOURCES: DEEPENING:

Complete the puzzle below.

### Rules:

- 1) Fill in the boxes with only numbers from 1 to 10.
- 2) The numbers across or down must add up to 12.
- 3) The combination of 3 numbers across or down can be repeated.





# ANSWERS – part 1:

Day 1:	<u>Day 2:</u>	<u>Day 3:</u>	<u>Day 4:</u>	<u>Day 5:</u>
1. $451$ Provide the second state of the sec	a. 341 b. 591	2. 61÷2=121 Your friend has 121 of milk altogether.	<ol> <li>a. 238 = 2 hundreds 3 tens 8 ones (same in the table) 238 = 200 + 30 + 8 (same in the number bond diagram)</li> <li>b. 366 = 3 hundreds 6 tens 6 ones (same in the table) 366 = 300 + 60 + 6 (same in the number bond diagram)</li> <li>168 The digit 6 is in the tens place. The digit 1 is in the hundreds place. The digit 1 stands for 100. The digit 8 stands for 8.</li> </ol>	1.       22         2.       21         3.       30         4.       20         5.       26         6.       42         7.       32         8.       56         9.       75         10.       73



## ANSWERS – part 2 and deepening:



