Year 3 Maths – week beginning 6.7.2020						
Theme	Formal methods for calculation (Lesson 1 of 6) CONSOLIDATION LESSON Addition	Formal methods for calculation (Lesson 2 of 6) CONSOLIDATION LESSON Subtraction	Formal methods for calculation (Lesson 3 of 6) CONSOLIDATION LESSON Multiplication	Formal methods for calculation (Lesson 4 of 6) CONSOLIDATION LESSON Multiplication	Formal methods for calculation (Lesson 5 of 6) CONSOLIDATION LESSON Division	
Factual fluency (to aid fluency)	Addition practice (10 questions)	Subtraction practice (10 questions)	<u>Times tables practice</u> (10 questions)	Times tables practice (10 questions)	Division facts practice (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> Earlier in the year, you learnt to use the column method to add three-digit numbers. Today you are going to practise this. <u>THINK: (support below)</u> Sarah used the digits 2, 3, 4, 7, 8 and 9 to make 2 three-digit numbers. She made 469 and 257. What is the sum of the two numbers? If you have online parent access, this lesson is based on textbook 3A, chapter 2, lesson 10. <u>SEE: (model below)</u> Watch the lesson video here <u>DO:</u> Use what you have learnt today to solve: Part 1: Use the digits 2, 3, 4, 7, 8 and 9 to make five other addition equations and find the total. The numbers you make must have 3- digits. The sum must be less than 1000. Check your answers before moving onto: Part 2: Solve the calculations below using the column method. 	(Lesson 2 resources below) <u>MAKING LINKS:</u> Earlier in the year, you learnt to use the column method to subtract three-digit numbers. Today you are going to practice this. <u>THINK: (support below)</u> In a school, there are 500 pupils. 225 of them are boys. How many girls are there? If you have online parent access, this lesson is based on textbook 3A, chapter 2, lesson 19. <u>SEE: (model below)</u> Watch the lesson video here <u>DO:</u> Use what you have learnt today to solve: <u>Part 1:</u> Use the digits 2, 3, 4, 7, 8 and 9 to make five subtraction equations. The numbers you make must have 3-digits. Remember, you always start with the whole number, so the greatest number you make will go first in the calculation. Find the answer. Check your answers before moving onto: <u>Part 2:</u> Solve the calculations below using the column method. For some extra support with subtraction, watch the <u>year 3</u> subtraction video here.	(Lesson 3 resources below) <u>MAKING LINKS:</u> Earlier in the year, you learnt to use the formal written method for multiplication. Today you are going to practise this. <u>THINK: (support below)</u> There are 42 sweets in a packet. How many sweets are there in 2 packets? If you have online parent access, this lesson is based on textbook 3A, chapter 4, lesson 3. <u>SEE: (model below)</u> Watch the lesson video here <u>DO:</u> Use what you have learnt today to solve: <u>Part 1:</u> Use the formal written method frames to find the product of the numbers below. Check your answers before moving onto: <u>Part 2:</u> Solve the calculations below using the formal written method for multiplication.	(Lesson 4 resources below) <u>MAKING LINKS:</u> Yesterday you consolidated the formal written method for multiplication. Today you are going to practise multiplying with regrouping. <u>THINK: (support below)</u> One pack has 13 stickers. How many stickers are there in 4 packs? If you have online parent access, this lesson is based on textbook 3A, chapter 4, lesson 4. <u>SEE: (model below)</u> Watch the lesson video here <u>DO:</u> Use what you have learnt today to solve: <u>Part 1:</u> Use the formal written method frames to find the product of the numbers below. Check your answers before moving onto: <u>Part 2:</u> Solve the calculations below using the formal written method for multiplication.	(Lesson 5 resources below) MAKING LINKS: Earlier in the year, you learnt to use a written method for division. Today you are going to practise this. THINK: (support below) Sam and Charles share 46 strawberries equally among themselves. How many strawberries will each person get? If you have online parent access, this lesson is based on textbook 3A, chapter 4, lesson 6. SEE: (model below) Watch the lesson video here DO: Use what you have learnt today to solve: Part 1: Use the written method frame to solve the calculations below. Check your answers before moving onto: Part 2: Solve the calculations below using the written method you have practised.	
Methods, tips, clues & checks	Day 1 resources and answers below	Day 2 resources and answers below	Day 3 resources and answers below	Day 4 resources and answers below	Day 5 resources and answers below	

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



DAY 1 RESOURCES:



<u>THINK</u> : If you have online parent access, this lesson is based on textbook 3A, chapter 2, lesson 10.	SEE: Watch the lesson vid	leo here.	
Sarah used the digits 2, 3, 4, 7, 8 and 9 to make 2 three-digit numbers. She made 469 and 257.	Sarah used the colur	mn method to find the s	sum of the two numbers
What is the sum of the two numbers?	ones first in case $9 + 7 = 16$ but we		
DO: Part 1:	in the ones place ones for 1 ten. The	4 6 9 + 2 5 7	
Use the digits 1, 2, 3, 4, 5, 6, 7, 8 and 9 to make five other addition equations and find the total. The numbers you make must have 3-digits	the tens. 6 tens + 5 It I also need to add from the ones place	7 2 6	
The sum must be less than 1000.	11 tens + 1 ten = 1 have 12 tens in th	12 tens. We can't ne tens place, so l	
Part 2: Solve these calculations using the column method.	rename 10 tens a are 2 tens left. Fin		
1. $134 + 255$ 2. $304 + 425$ 3. $700 + 142$	hundreds. 4 hund hundreds. Then I rongmod hundro		
$\begin{array}{c} 3. & 700 + 142 \\ 4. & 724 + 124 \\ 5. & 851 + 23 \\ 6. & 128 + 143 \end{array}$	hundred = 7 hund So the sum of 469	You can also draw Dienes to help you to add.	
7. 524 + 194 8. 657 + 264 9. 283 + 368 10.817 + 249	H T O	When I found the sum of need to rename. 2 ones This is less than 10 so I do	of 412 and 257, I didn't s + 7 ones = 9 ones. on't need to rename.
You can use the colour-coded support frame for the column method on the next page to help you.	 a colour-coded support frame for the column b next page to help you. a next page to help you. b next page to help you. c a next page to help you. d a next page to help you. <lid a="" help="" li="" next="" page="" to="" you.<=""> </lid>		





DAY 2 RESOURCES:



<u>THINK</u> : If you have online parent access, this lesson is based on textbook 3A, chapter 2, lesson 19.	SEE: Watch the lesson video here.		
In a school, there are 500 pupils. 225 of them are boys. How many airls are there?	When we subtract, we always start with the whole number (500) and take away the part we know (225).		
 DO: For some extra support with subtraction, watch the year 3 subtraction video here. Part 1: Use the digits 1, 2, 3, 4, 5, 6, 7, 8 and 9 to make five subtraction equations. The numbers you make must have 3-digits. Remember, you always start with the whole number when subtracting, so the greatest number you make will go first in the calculation. 	 First, we look at the ones place. We don't have enough ones to subtract 5, so we need to rename. There aren't any tens to rename, so we can rename a hundred as 10 tens. We would have 4 hundreds left. We can then rename a ten for 10 ones. We would have 9 tens left. Now I can subtract the ones. 10 ones - 5 ones = 5 ones. Next, we look at the tens place. 9 tens - 2 tens = 7 tens. Finally, we look at the hundreds place. 4 hundreds - 2 hundreds = 2 hundreds. There are 275 girls in the school. 		
Part 2: Solve these calculations using the column method. 1. 462 – 131 2. 265 – 140 3. 742 – 400 4. 541 – 521	subtro Reme the re crossir hundr renam	nct. mber to show naming by ng out one ed and ning it as 10 tens.	
 5. 174 - 32 6. 382 - 145 7. 614 - 251 8. 341 - 165 9. 874 - 596 10.600 - 372 You can use the colour-coded support frame for the column method on the next page to help you.	In this example, when I look at the ones place, I have enough ones to subtract 7 so I don't need to rename. 9-7=2. When I look at the tens , I don't have enough tens to take away 5 tens, so I need to rename one hundred for 10 tens . I will then have 3 hundreds left. I will have 14 tens because 10 tens + 4 tens = 14 tens. Now I can subtract t tens. 14 tens - 5 tens = 9 tens. Finally, I can subtract the hundreds . 3 hundreds - 2 hundreds = 1 hundred.	H T O ³ A ¹ A 9 - 2 5 7 1 9 2	

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DAY 3 RESOURCES:









DAY 4 RESOURCES:









DAY 5 RESOURCES:



<u>THINK</u>: If you have online parent access, this lesson is based on textbook 3A, chapter 4, lesson 6.

Sam and Charles share 46 strawberries equally among themselves.

How many strawberries will each person get?

<u>DO:</u> Part 1:

Solve these calculations.



Check your answers below.

<u>Part 2:</u>

Use the written method to solve these calculations.

с,	00.2	
b)	96 ÷ 3	
c)	84 ÷ 4	
d)	88 ÷ 8	

e) 88 ÷ 2

 $a = 28 \pm 2$

f) 69 ÷ 3

a) 66÷2

You can use the colour-coded support frame for the written method on the next page to help you.

SEE: Watch the lesson video here.

To share 46 strawberries equally between Sam and Charles, we need to divide 46 by 2. (46 strawberries shared between 2 people).



To help us, we can partition 46 into 40 and 6. This will make it easier for us to divide as we can divide each part separately before adding them back together.



Now I can divide my tens by 2, and my ones by 2.

Let's start with the tens. I can use facts I already know to solve $40 \div 2$. I know $4 \div 2 = 2$, so if I make it ten times bigger, $40 \div 2 = 20$.

Now let's divide the ones by 2.

Finally, I can add the tens and ones together.

<mark>20 + 3 = 2</mark>3

Each person will get 23 strawberries.







ANSWERS – part 1:



<u>Day 1</u>	<u>Day 2</u>	<u>Day 3</u>	<u>Day 4</u>	<u>Day 5</u>
Answers may vary depending on numbers chosen. Send to your teacher on Seesaw for checking.	Answers may vary depending on numbers chosen. Send to your teacher on Seesaw for checking.	C) T O 1 3 x 3 + 3 0 + 3 0 3 9	C) H T O 1 8 x 3 2 4 + 3 0 5 4	C) $63 \div 3 = 21$ 63 $60 \div 3 = 20$ $3 \div 3 = 1$ 20 + 1 = 21
		b) T O 3 1 x 3 + 9 0 9 3	b) H T O 3 4 x 5 + 1 5 0 + 1 7 0	b) $88 \div 4 = 22$ $80 \div 4 = 20$ $80 \div 4 = 20$ $8 \div 4 = 2$ 20 + 2 = 22
		C) T O 3 4 x 2 + 6 0 6 8	C) H T O 2 9 x 4 1 3 6 + 8 0 1 1 6	C) $48 \div 2 = 24$ $48 \div 2 = 24$ 40×8 $40 \div 2 = 20$ $8 \div 2 = 4$ 20 + 4 = 24

ANSWERS – part 2:

<u>Day 1</u>	<u>Day 2</u>	<u>Day 3</u>	Day 4	<u>Day 5</u>
Q1. 134 + 255 = 389 Q2. 304 + 425 = 729 Q3. 700 + 142 = 842 Q4. 724 + 124 = 848 Q5. 851 + 23 = 874 Q6. 128 + 143 = 271 Q7. 524 + 194 = 718 Q8. 657 + 264 = 921 Q9. 283 + 368 = 651 Q10. 817 + 249 = 1066	Q1. $462 - 131 = 331$ Q2. $265 - 140 = 125$ Q3. $742 - 400 = 342$ Q4. $541 - 521 = 20$ Q5. $174 - 32 = 142$ Q6. $382 - 145 = 237$ Q7. $614 - 251 = 363$ Q8. $341 - 165 = 176$ Q9. $874 - 596 = 278$ Q10. $600 - 372 = 228$	Qa) 41 x 2 = 82 Qb) 14 x 2 = 28 Qc) 23 x 3 = 69 Qd) 22 x 4 = 88 Qe) 43 x 2 = 86 Qf) 21 x 4 = 84 Qg) 13 x 3 = 39	Qa) 25 x 4 = 100 Qb) 8 x 16 = 128 Qc) 57 x 2 = 114 Qd) 65 x 2 = 130 Qe) 45 x 3 = 135 Qf) 38 x 4 = 152 Qg) 27 x 8 = 216	Qa) 86 ÷ 2 = 43 Qb) 96 ÷ 3 = 32 Qc) 84 ÷ 4 = 21 Qd) 88 ÷ 8 = 11 Qe) 88 ÷ 2 = 44 Qf) 69 ÷ 3 = 23 Qg) 66 ÷ 2 = 33

