Date 13.1.20 Subject/s Maths Learning Objective To add and subtract decimals Success Criteria I can identify the place value of numbers ✓! 🗏 I can line up the place value columns I can use my knowledge of column addition and subtraction Group Work Support Independent Adult Support (Lockdown learning: DC <u>Pre-task</u> 1) 8.951 - 3.26 2) 16.71 + 182.7 Teacher led: Fluency: Teacher led What addition/subtraction methods could I use? In my head - 0.1 + 0.3

Questions with one decimal place Column 6.71+ method Questions with 2 or more decimal places When using column method, you must line the number up correctly. Use a place value grid if needed.

Steps to Success

1) 1 6 5 2 2	92		2)	6.7 + 2.3 9.0	
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	.54		4)	- I 9	8 . 9 ¹ 3 . 2 6 • 6 7
5) 1/8	2 8 6		6)	78.10	
5) \ \ \ 9 - 9			6)	- 3.9 4•1	
Always	stourt	on t	he	digit	to the right.
Exchang	ge)	- <u>1</u>		2 1 3 9	If I have I, I can't take away 9.

If you are feeling confident with adding and subtracting decimals, have a go at this fluency:

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B					
Copy and complete.					
9.581 6 37.85					
+ 3.942 + 4.35					
2 13.96 2 82.39					
+ 7.45 + 26.73					
3 6.493 8 4.768					
+ 2.574 + 3.999					
4 5.257 9.645 + 3.956 + 6.076					
5 28.87 10 6.569 + 14.67 + 1.472					
114/2					
В					
Copy and complete.					
1 29.35 6 8.251					
- <u>16·72</u> - <u>5·434</u>					
2 7.573 4.718					
-3.748 -1.657					
92.82 8 6.464 - 5.372					
4 5.066 9 1.923 - 3.954 - 0.831					
5 34·17 10 4·055 - 27·97 - 3·396					

If you need more help, complete this fluency:

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4) -			2		5)	1		l . 4			6)	-	ь 2	. b . 2	3	
7) -	2.	4	9		8)	,	4.	7	5		9)			0.6		
1 0)	-	8. 5.	. 5	2 5												

Problem So	olving and Reasoning	
Deplois its	When you subtract from a place which has nothing in it, you can write the number underneath Rita	
	4 . 9 - 3 . 8 5 1 . 1 5	
	Do you agree with Rita? Explain your answer.	
Use it!	Can you find the missing numbers in the calculation?	
50	3 1 . 0	
	- ₩. 37	
	29.63	
Explain its	Pavel is trying to find the answer to	
-	9 4.144 + 1.4	
00	Here is his working out.	
	(4.144)	
	+ 1.4 4.248	
	Can you spot and explain his error?	

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	9)		1	0	9	2				
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	A ANTENNA CONTRACTOR
When you subtract from a place which has nothing in it, you can write the number underneath Rita	Incorect You need to use a place holder and exchange
- 3 . 8 5 1 . 1 5 Do you agree with Rita? Explain your answer.	
Can you find the missing numbers in the calculation?	31.00 - 1.37
31.00 - **.37 29.63	29.63
Pavel is trying to find the answer to 4.144 + 1.4	Pavel has not put the digit in the correct place value columns and has not lined the decimal points up
Here is his working out. 4 . 1 4 4 + 1 . 4 4 . 2 4 8	and accurate position up

Answers

Problem Solving and Reasoning