





calculation correctly.	4 3 5 5 1 9 5 6 6 2 2 2 1 Check each calculation. Are they all correct? Where Agent OOR9 has made a mistake, write out the calculation correctly.	4 3 5 5 1 9 5 6 6 2 2 2 1 Check each calculation. Are they all correct? Where Agent OOR9 has made a mistake, write out the calculation correctly.	4 3 5 5 1 9 5 6 6 2 2 2 1 Check each calculation. Are they all correct? Where Agent OOR9 has made a mistake, write out the calculation correctly.		8	2	3	4		5	6	8	1		6	8	2	4		7	2	3	6
Check each calculation. Are they all correct? Where Agent OOR9 has made a mistake, write out the calculation correctly. Can you explain what mistake he has made? How would you explain to Agent OOR9 how to exchange	Check each calculation. Are they all correct? Where Agent OOR9 has made a mistake, write out the calculation correctly.	Check each calculation. Are they all correct? Where Agent OOR9 has made a mistake, write out the calculation correctly.	Check each calculation. Are they all correct? Where Agent OOR9 has made a mistake, write out the calculation correctly.		4	5	8	9		3	7	2	5	-	6	2	5	8		- 5	4	5	7
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How would you explain to Agent 00R9 how to exchange	How would you explain to Agent 00R9 how to exchange when subtracting?	How would you explain to Agent 00R9 how to exchange when subtracting?	How would you explain to Agent 00R9 how to exchange when subtracting?		calcu	ılatio	n cor	rectly						here Ag	gent (DOR9	has ı	nade 	a mi	stake, v	write	out t	he
	when subtracting?	when subtracting?	when subtracting?																				
	ent OOR9 says, "You can only exchange once in a subtraction calculation." Do you agree? Explain your answer.	"You can only exchange once in a subtraction calculation."	"You can only exchange once in a subtraction calculation."	- /																			
	"You can only exchange once in a subtraction calculation."	"You can only exchange once in a subtraction calculation."	"You can only exchange once in a subtraction calculation."				tracti	ing?															
	"You can only exchange once in a subtraction calculation."	"You can only exchange once in a subtraction calculation."	"You can only exchange once in a subtraction calculation."				tracti	ing?															
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"You can only exchange once in a subtraction calculation."					 00R9	says	,																
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How close did you get? Compare your answer to others in your class. Did anyone get closer to 2000?





- a) 5142 4085 = 1057
 b) 9756 5873 = 3883
 c) 8291 6534 = 1757
 d) 7352 4867 = 2485
 e) 5063 3258 = 1805
 a) 2371 1938 = 433 > 1287 1038 = 249
 b) 5738 3474 = 2264 = 6246 3982 = 2264
 c) 6084 2969 = 3115 < 7114 3998 = 3116
 3) 749 + 453 = 1197
 - 4573 1197 = 1805
- 1)
- a) The first calculation is wrong: the correct answer is 3645. The second and third are correct. The final calculation is wrong: the answer should be 1779.
- b) Where the digit in the top number (minuend) is smaller than the corresponding digit in the bottom number (subtrahend), he has just subtracted the smaller digit from the larger, instead of exchanging.
- c) If the digit in the top number (minuend) is smaller than the corresponding digit in the bottom number (subtrahend), he needs to exchange from the column to the left. For example, if he had to calculate 2 ones subtract 4 ones, he would need to exchange a ten from the tens column on the left. Then, he would have 12 ones and could subtract 4 ones. He must remember, when he comes to subtract the tens, that he will have I less ten now and he may, in some cases, need to exchange from the hundreds column.
- d) He is wrong. There may be subtraction calculations where only one exchange is necessary. However, depending on the size of the digits in each column, it may be necessary to have more than one exchange. It may even be necessary to have exchanges in three consecutive columns when subtracting a 4-digit number from a 4-digit number. For example, 5463 – 4585 would require three exchanges.
- 5514 4562 = 952 3-digit number 5534 - 4562 = 972 - 3-digit number 5554 - 4562 = 992 - 3-digit number 5574 - 4562 = 1012 - 1 is repeated. 5594 - 4562 = 1032 The combination is 1032.
- Children use trial and error and place value knowledge to try to reach an answer close to 2000. A possible answer could be 6235 - 4198 = 2037.



