

Homework/Extension

Step 6: Subtract Two 4-Digit Numbers 2

National Curriculum Objectives:

Mathematics Year 4: (4C2) [Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate](#)

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)

Developing Subtract two 4-digit numbers with up to one exchange to identify the smallest answer. Calculations are presented in place value grids with pictorial support. No use of zero as a place holder.

Expected Subtract two 4-digit numbers with one exchange to identify the smallest answer. Calculations are presented in place value grids using the column format. Some use of zero as a place holder.

Greater Depth Subtract two 4-digit numbers with one exchange to identify the smallest answer. Calculations are presented in a linear format. Use of zero as a place holder.

Questions 2, 5 and 8 (Varied Fluency)

Developing Identify the incorrect answer when subtracting two 4-digit numbers with up to one exchange. Calculations are presented as place value grids with pictorial support. No use of zero as a place holder.

Expected Identify the incorrect answer when subtracting two 4-digit numbers with one exchange. Calculations are presented in a column format. Some use of zero as a place holder.

Greater Depth Identify the incorrect answer when subtracting two 4-digit numbers with one exchange. Calculations are presented as bar models. Use of zero as a place holder.

Questions 3, 6 and 9 (Reasoning and Problem Solving)

Developing Explain errors when subtracting two 4-digit numbers with up to one exchange. Calculations are presented as place value grids with pictorial support. No use of zero as a place holder.

Expected Explain errors when subtracting two 4-digit numbers with one exchange. Calculations are presented in a column format. Some use of zero as a place holder.

Greater Depth Explain errors when subtracting two 4-digit numbers with one exchange. Calculations are presented as part whole models. Use of zero as a place holder.

More [Year 4 Addition and Subtraction](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

Subtract Two 4-Digit Numbers 2

1. True or false? B creates the smallest answer. Complete each calculation to check.

A.

Th	H	T	O
-			

B.

Th	H	T	O
-			



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2. Identify the incorrect answer below and correct it.

A.

Th	H	T	O
-			
1	2	3	1

B.

Th	H	T	O
-			
3	3	5	8



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3. Class 4F have been given the subtraction below to complete. Rosie says:

I think the answer is
4,222.



Th	H	T	O
-			

Explain why she is wrong.



RPS
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Subtract Two 4-Digit Numbers 2

4. True or false? B creates the smallest answer. Complete each calculation to check.

A.

Th	H	T	O
●●	●●●●	●●●●	●●●●
—	●●●●	●●●●	●●

B.

Th	H	T	O
●●●●	●●●●	●●●●	●●●●
—	●●●●	●●●●	●●●●

C.

—	3	7	4	2
	2	0	1	3



VF
HW/Ext

5. Identify the incorrect answer below and correct it.

A.

	6	2 3	¹ 2	8
—	5	2	7	0
	1	0	5	8

B.

	4 5	¹ 5	4	6
—	1	6	2	3
	3	9	2	3

C.

	7	5	8 9	¹ 4
—	6	4	2	5
	1	1	7	9



VF
HW/Ext

6. Class 4F have been given the subtraction below to complete. Avneet says:

I think the answer is 1,113.



	7	6	1 3	¹ 5
—	6	5	0	8

Explain why he is wrong.



RPS
HW/Ext

Subtract Two 4-Digit Numbers 2

7. True or false? C creates the smallest answer. Complete each calculation to check.

A. $8,482 - 7,650 =$

B. $3,921 - 1,705 =$

C. $7,889 - 7,790 =$



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HW/Ext

8. Identify the incorrect answer below and correct it.

A.

9,668	
2,480	?

$9,886 - 2,480 = 7,188$

B.

7,967	
?	2,059

$7,967 - 2,059 = 5,908$

C.

5,329	
?	2,708

$5,329 - 2,708 = 2,601$

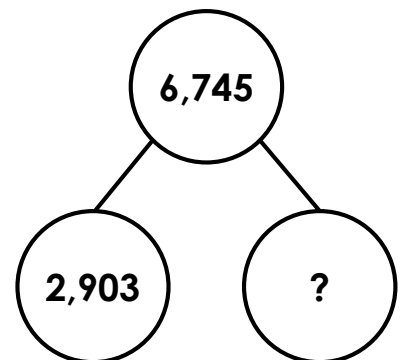


VF
HW/Ext

9. Class 4F have been given the subtraction below to complete.

Ellie says:

I think the answer is
4,832.



Explain why she is wrong.



RPS
HW/Ext

Homework/Extension

Subtract Two 4-Digit Numbers 2

Developing

1. False. A creates the smallest number because $A = 1,117$ and $B = 1,212$.
2. B is incorrect. The correct answer is 3,348.
3. Rosie has incorrectly subtracted 4 from 6. She needed to exchange a ten so she could subtract 6 from 14. The correct answer is 4,218.

Expected

4. False. A creates the smallest number because $A = 913$, $B = 1,128$ and $C = 1,729$.
5. C is incorrect. The correct answer is 1,169.
6. Avneet has exchanged the 3 tens incorrectly. He has borrowed 10 and should have 2 tens remaining, not 1 ten. The correct answer is 1,127.

Greater Depth

7. True. C creates the smallest number because $A = 832$, $B = 2,216$ and $C = 99$.
8. C is incorrect. The correct answer is 2,621.
9. Ellie has exchanged in the wrong column. She should have exchanged from the thousands column. The correct answer is 3,842.