

Homework/Extension

Step 2: Subtract More Than 4 Digits

National Curriculum Objectives:

Mathematics Year 5: (5C2) [Add and subtract whole numbers with more than 4 digits, including using formal written methods \(columnar addition and subtraction\)](#)

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)

Developing Tick the incorrect calculations. Includes no exchanging and no use of zero as a place holder. Numbers represented by place value counters.

Expected Tick the incorrect calculations. Includes exchanging with some use of zero as a place holder. Use of formal column subtraction.

Greater Depth Tick the incorrect calculations. Includes exchanging with the use of zero as a place holder. Use of linear presentation which will need converting into column subtraction. Some examples of unconventional partitioning included.

Questions 2, 5 and 8 (Varied Fluency)

Developing Order the answers to the calculations in ascending order. Includes no exchanging and no use of zero as a place holder. Numbers represented by place value counters.

Expected Order the answers to the calculations in ascending order. Includes exchanging with some use of zero as a place holder. Use of formal column subtraction.

Greater Depth Order the answers to the calculations in ascending order. Includes exchanging with the use of zero as a place holder. Use of linear presentation which will need converting into column subtraction. Some examples of unconventional partitioning included.

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

Developing Explain whether a statement is correct. Includes no exchanging and no use of zero as a place holder. Numbers represented by place value counters which will need converting into column subtraction.

Expected Explain whether a statement is correct. Includes exchanging with some use of zero as a place holder. Use of linear presentation which will need converting into column subtraction.

Greater Depth Explain whether a statement is correct. Includes exchanging with the use of zero as a place holder. Use of linear presentation which will need converting into column subtraction. Some examples of unconventional partitioning included.

More [Year 5 Addition and Subtraction](#) resources.

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

Subtract More Than 4 Digits

1. Using the boxes provided, tick the incorrect calculations below.

A.

	T	Th	Th	H	T	O
	●	●	●	●	●	●
	●	●	●	●	●	●
-						
	6	1	1	7	3	

☐

B.

	T	Th	Th	H	T	O
	●	●	●	●	●	●
	●	●	●	●	●	●
-						
	3	2	2	3	2	

☐

C.

	T	Th	Th	H	T	O
	●	●	●	●	●	●
	●	●	●	●	●	●
-						
	8	2	1	2	1	

☐

D.

	T	Th	Th	H	T	O
	●	●	●	●	●	●
	●	●	●	●	●	●
-						
	9	5	1	1	1	

☐


VF
HW/Ext

2. Number the answers to the calculations below in ascending order from 1 to 4.

A.

	T	Th	Th	H	T	O
	●	●	●	●	●	●
	●	●	●	●	●	●
-						

☐

B.

	T	Th	Th	H	T	O
	●	●	●	●	●	●
	●	●	●	●	●	●
-						

☐

C.

	T	Th	Th	H	T	O
	●	●	●	●	●	●
	●	●	●	●	●	●
-						

☐

D.

	T	Th	Th	H	T	O
	●	●	●	●	●	●
	●	●	●	●	●	●
-						

☐


VF
HW/Ext

3. A pirate ship is loaded with 48,688 gold coins, and sets sail.

A storm hits the ship and 4,242 gold coins are swept into the ocean. 3,115 gold coins are then stolen before the pirate ship manages to reach its destination.

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

Pirate Pete says,

By the end of the journey, there will be less than 1,311 gold coins left!



Is he correct? Explain how you know.



RPS
HW/Ext

Subtract More Than 4 Digits

4. Using the boxes provided, tick the incorrect calculations below.

A.

	⁶ 7	¹⁰ 1	4	7	6
-		9	5	2	1
	6	1	8	5	5

☐

B.

	2	⁸ 9	¹ 0	⁸ 9	¹ 1
-	1	5	2	5	5
	1	4	8	3	6

☐

C.

	3	⁴ 5	⁹ 0	¹¹ 2	¹ 6
-	1	1	4	4	8
	2	3	5	7	8

☐

D.

	1	8	5	⁴ 5	¹ 6
-		7	4	4	8
	1	0	1	0	8

☐



VF
HW/Ext

5. Number the answers to the calculations below in ascending order from 1 to 4.

A.

	2	5	9	0	1
-		9	9	1	5

☐

B.

	2	6	0	5	2
-	1	0	2	3	1

☐

C.

	2	4	9	9	5
-		9	4	2	1

☐

D.

	2	6	9	7	2
-	1	0	9	8	7

☐



VF
HW/Ext

6. A pirate ship is loaded with 41,942 gold coins, and sets sail.

A storm hits the ship and 20,568 gold coins are swept into the ocean. 10,938 gold coins are then stolen before the pirate ship manages to reach its destination.

Pirate Paul says,

By the end of the journey, there will be less than 10,443 gold coins left!



Is he correct? Explain how you know.



RPS
HW/Ext

Subtract More Than 4 Digits

7. Using the boxes provided, tick the incorrect calculations below.

A.

$$87,483 - 34,674 = 52,809$$

☐

B.

six hundred and twelve
hundreds and fifty-six ones
subtract twenty-five
hundreds and nine ones
equals thirty-six thousand,
two hundred and fifty-seven

☐

C.

forty-nine thousands, sixty-
two tens and three ones
subtract thirty-four
thousands, eighty-nine tens
and eight ones = 13,725

☐

D.

62,080 – 19,372 = four
hundred and twenty-seven
hundreds and eight ones

☐


VF
HW/Ext

8. Number the answers to the calculations below in ascending order from 1 to 4.

A.

four hundred and seventy-
four hundreds and eighty-
two ones subtract twenty-
five hundreds and nine ones

☐

B.

forty-nine thousands, sixty-
two tens and three ones
subtract thirty-four
thousands, eighty-nine tens
and eight ones

☐

C.

forty-seven thousand, four
hundred and five subtract
thirty-eight thousand, nine
hundred and ninety-nine

☐

D.

$$47,483 - 34,674$$

☐


VF
HW/Ext

9. A pirate ship is loaded with 61,942 gold coins, and sets sail.

A storm hits the ship and 20,568 gold coins are swept into the ocean. Twenty-eight thousand, forty-six tens and eight gold coins are then stolen before the pirate ship manages to reach its destination.

Pirate Pat says,

By the end of the journey, there will be less
than one ten thousand, twenty-five
hundreds and eighty one gold coins left!



Is he correct? Explain how you know.



RPS
HW/Ext

Homework/Extension

Subtract More Than 4 Digits

Developing

1. A, C and D.
2. The order from 1 to 4 is C, A, D and B.
3. Various answers, for example:
Pirate Pete is incorrect. $48,688 - 4,242 = 44,446$; $44,446 - 3,115 = 41,331$; Pirate Pete is incorrect because 41,331 is more than 1,311.

Expected

4. A, B and D.
5. The order from 1 to 4 is C, B, D and A.
6. Various answers, for example:
Pirate Paul is correct. $41,942 - 20,568 = 21,374$; $21,374 - 10,938 = 10,436$; Pirate Paul is correct because 10,436 is 7 less than 10,443.

Greater Depth

7. B and C.
8. The order from 1 to 4 is C, D, B and A.
9. Various answers, for example:
Pirate Pat is incorrect. $61,942 - 20,568 = 41,374$; $41,374 - 28,468 = 12,906$; Pirate Pat is incorrect because 12,906 is 325 more than 12,581.