

Varied Fluency

Step 10: 2-Digit and 3-Digit Numbers

National Curriculum Objectives:

Mathematics Year 3: (3C2) [Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction](#)

Mathematics Year 3: (3C4) [Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction](#)

Differentiation:

Developing Questions to support recognising the importance of the correct place value representations of calculations involving 2 and 3-digit numbers. Using Base 10 in all questions.

Expected Questions to support recognising the importance of the correct place value representations of calculations involving 2 and 3-digit numbers. Using some pictorial support, numerals and some words.


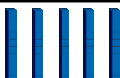




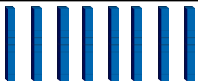

Greater Depth Questions to support recognising the importance of the correct place value representations of calculations involving 2 and 3-digit numbers. Using mixed pictorial representations within a question, numerals, words and some unconventional partitioning.

More [Year 3 Addition and Subtraction](#) resources.

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

2-Digit and 3-Digit Numbers

1a. True or false? The place value grid below represents $251 + 34 = 285$.


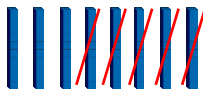

H	T	O
		
		
		



VF

2-Digit and 3-Digit Numbers

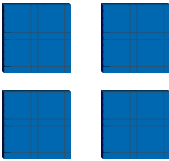
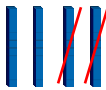

1b. True or false? The place value grid below represents $286 - 52 = 234$.

H	T	O
		



VF

2a. Which number sentence matches the image?

H	T	O
		

A. $446 - 32$






B. $23 + 446$

C. $446 - 23$



VF

2b. Which number sentence matches the image?

H	T	O
		
		

A. $56 - 131$


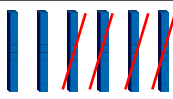

B. $56 + 131$

C. $131 - 56$



VF

3a. Write the number sentence that is represented in this place value grid.




H	T	O
		

_____ - _____ = 224



VF

3b. Write the number sentence that is represented in this place value grid.

H	T	O
		









_____ - _____ = 112



VF

4a. Does this place value grid match the calculation below?

$$316 + 82 = 398$$

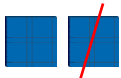


H	T	O
		
		
		



VF

4b. Does this place value grid match the calculation below?

$$237 - 25 = 212$$

H	T	O
		




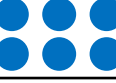






VF

2-Digit and 3-Digit Numbers

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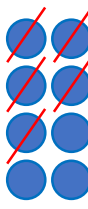
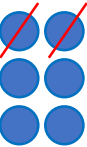
5a. True or false? The place value grid below represents $315 + 64 = 379$.

H	T	O
		
		
		



VF






5b. True or false? The place value grid below represents $286 - 52 = 234$.

H	T	O
		



VF

6a. Which number sentence matches the image?

H	T	O
		
		

A. $42 + 366$






B. $42 + 324$

C. $300 - 66$



VF

6b. Which number sentence matches the image?

H	T	O
		
		

A. $224 + 51$


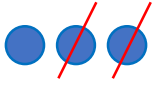

B. $51 + 233$

C. $224 - 51$



VF

7a. Write the number sentence that is represented in this place value grid.


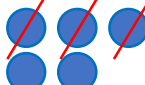
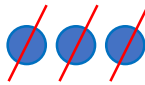
H	T	O
		

$\underline{\quad\quad\quad} - \underline{\quad\quad\quad} = 411$



VF

7b. Write the number sentence that is represented in this place value grid.

H	T	O
		

$\underline{\quad\quad\quad} - \underline{\quad\quad\quad} = 820$



VF

8a. Does this column method match the calculation below?

two hundred and sixty-seven minus thirty-one equals two hundred and thirty-six

	H	T	O
	2	7	6
-		3	1
	2	3	6



VF

8b. Does this column method match the calculation below?

thirty-six plus five hundred and forty-three equals five hundred and seventy-nine

	H	T	O
		3	6
+	4	5	3
	5	7	9



VF

2-Digit and 3-Digit Numbers

9a. True or false? The place value grid represents $207 + \text{seventy-one} = 278$.

H	T	O



VF

2-Digit and 3-Digit Numbers

9b. True or false? The place value grid represents $426 - \text{twenty-four} = 402$.

H	T	O



VF

10a. Which number sentence matches the image?

H	T	O

A. $36 - 424$

B. $36 + 424$

C. $424 + 63$



VF

10b. Which number sentence matches the image?

H	T	O

A. $552 - 42$

B. $42 - 552$

C. $552 + 42$



VF

11a. Write the number sentence that is represented in this place value grid.

H	T	O

_____ - _____ = 205



VF

11b. Write the number sentence that is represented in this place value grid.

H	T	O

_____ - _____ = 632



VF

12a. Does this column method match the calculation below?

five hundred and sixty-seven ones minus three tens and thirteen ones equals five hundred and twenty-four

	5	6	7
-	4	3	
	5	2	4



VF

12b. Does this column method match the calculation below?

three hundred, one ten and eight ones plus seven tens and eleven ones equals three hundred and ninety-nine

	3	8	1
+		8	1
	3	9	9



VF

Varied Fluency 2-Digit and 3-Digit Numbers

Developing

- 1a. **True**
- 2a. **C**
- 3a. **$269 - 45 = 224$**
- 4a. **No. (In the 2-digit number the tens and ones have been swapped over. It should be 8 tens and 2 ones.)**

Expected

- 5a. **False, in the 3-digit number the tens and ones digits have been swapped. It should be 1 ten and 5 ones.**
- 6a. **B**
- 7a. **$432 - 21 = 411$**
- 8a. **No. (In the 3-digit number the tens and ones digits have been swapped. It should be 6 tens and 7 ones.)**

Greater Depth

- 9a. **False, in the 3-digit number there are 7 tens when it should be 7 ones. In the 2-digit number there is 1 hundred when it should be 1 one.**
- 10a. **B**
- 11a. **$227 - 22 = 205$**
- 12a. **No. (The digits for the 2-digit number are in the wrong PV columns. It should be 4 tens and 3 ones.)**

Varied Fluency 2-Digit and 3-Digit Numbers

Developing

- 1b. **True**
- 2b. **B**
- 3b. **$124 - 12 = 112$**
- 4b. **No. (1 hundred and 1 ten have been subtracted, instead of 2 tens.)**

Expected

- 5a. **True**
- 6b. **A**
- 7b. **$853 - 33 = 820$**
- 8b. **No. (In the 3-digit number the hundreds and tens digits have been swapped. It should be 5 hundreds and 4 tens.)**

Greater Depth

- 9b. **False, only 14 has been subtracted, instead of 24.**
- 10b. **A**
- 11b. **$688 - 56 = 632$**
- 12b. **No. (In the 3-digit number the tens and ones digits have been swapped. It should be 1 ten and 8 ones.)**