

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

2-Digit and 3-Digit Numbers

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

| H | T | O |
|---|---|---|
| | | |
| | | |
| | | |



VF

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 |
|---|---|---|
| | | |
| | | |
| | | |

$\underline{\quad} - \underline{\quad} = 224$



VF

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

| H | T | O |
|---|---|---|
| | | |
| | | |
| | | |

$\underline{\quad} - \underline{\quad} = 112$



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

2-Digit and 3-Digit Numbers

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 |
|---------|----------------|----------------|
| ● ● ● ● | ● ● | ● ● |

_____ - _____ = 411



VF

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

| H | T | O |
|-------------|--------------------|------------------|
| ● ● ● ● ● ● | ● ● ● ● | ● ● ● |

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

| | | | |
|-------|---|---|---|
| | 5 | 6 | 7 |
| - | 4 | 3 | |
| <hr/> | | | |
| | 5 | 2 | 4 |



VF

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

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

| | | | |
|-------|---|---|---|
| | 3 | 8 | 1 |
| + | | 8 | 1 |
| <hr/> | | | |
| | 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.)