Homework/Extension
Step 11: Add 2-Digit and 3-Digit Numbers

National Curriculum Objectives:

Mathematics Year 3: (3N3) Recognise the place value of each digit in a three-digit number (hundreds, tens, ones)

Mathematics Year 3: (3C1) Add and subtract numbers mentally, including three-digit number and tens

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:

Questions 1, 4 and 7 (Varied Fluency)
Developing Match two calculations to the correct answers with exchanging in one place value column and using Base 10.
Expected Match three calculations to the correct answers with exchanging in up to two place value columns using numerals and some pictorial support.
Greater Depth Match three calculations to the correct answers with exchanging in up to two place value columns using numerals, words and some mixed pictorial representations.

Questions 2, 5 and 8 (Varied Fluency)
Developing Identify whether the statement is true or false, using exchanging in one place value column and using Base 10.
Expected Identify whether the statement is true or false, using exchanging in up to two place value columns and using numerals and some pictorial support.
Greater Depth Identify whether the statement is true or false, using numerals in a linear arrangement and exchanging in up to two place value columns.

Questions 3, 6 and 9 (Reasoning and Problem Solving)
Developing Explain if a statement is correct using exchanging in one place value column and using Base 10.
Expected Explain if a statement is correct using exchanging in up to two place value columns and using numerals and some pictorial support.
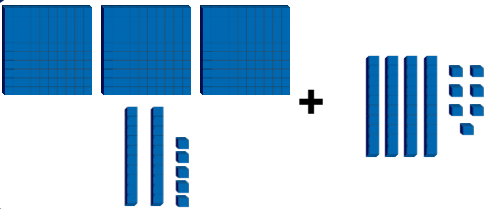**Greater Depth** Identify missing numbers in a column addition and explain if a statement is correct using exchanging in up to two place value columns and using numerals, words and some mixed pictorial representations.
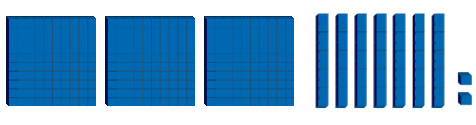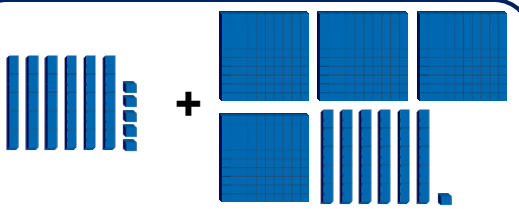
More Year 3 Addition and Subtraction resources.

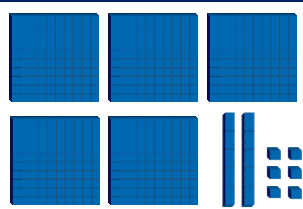Did you like this resource? Don't forget to review it on our website.

Add 2-Digit and 3-Digit Numbers

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1. Match the calculation to the correct answer.

A.

1.

B.
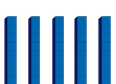
2.
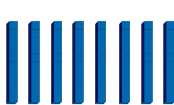
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HW/Ext

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2. True or false? The calculations below are correct.

A.

Hundreds	Tens	Ones

B.
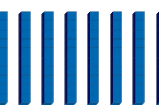
Hundreds	Tens	Ones

VF
HW/Ext

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3. Maya has completed the addition below. Elaine says,

Hundreds	Tens	Ones

> The answer should be 292.

Is she correct? Explain how you know.

RPS
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Homework/Extension – Add 2-Digit and 3-Digit Numbers – Year 3 Developing
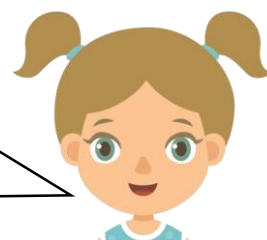
Add 2-Digit and 3-Digit Numbers

4. Match the calculation to the correct answer.

A.

100 10 10 1 1 1 1 + 72

B.

109 + 31

C.

65 + 438

1.

503

2.

100 100 100 10 1 1 1 1 1 1

3.

100 10 10 10 10

5. True or false? The calculations below are correct.

A.

Hundreds	Tens	Ones
●● ●●	●●● ●●●	● ●
+	●● ●●	● ●●
●● ●●		●●● ●●●

B.

Hundreds	Tens	Ones
	●● ●●	●●● ●●●
+ ●●	●●● ●●●	●●● ●●●
●●	●	●

6. Max has completed the column addition below. Val says,

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    4  4  8
 +     7  4
    4  2  2
    1  1
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The answer should be 522.

Is she correct? Explain how you know.
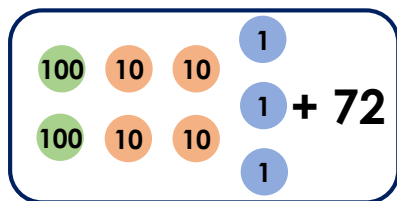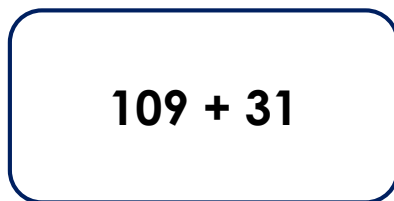
Add 2-Digit and 3-Digit Numbers
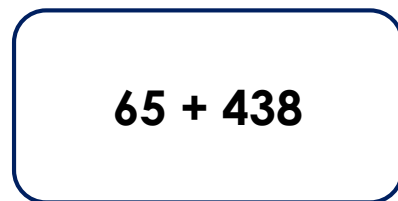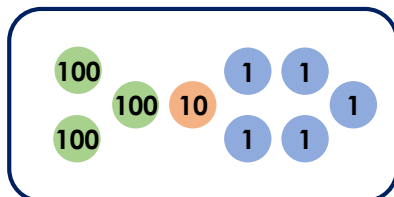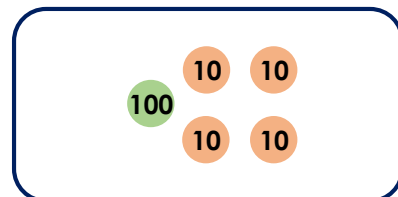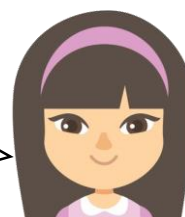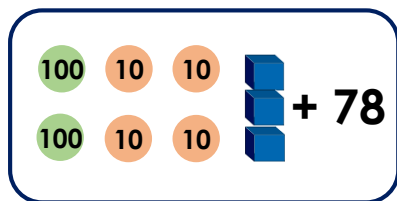
7. Match the calculation to the correct answer.

A.

100 10 10
100 10 10 ▮ + 78

B.

Six hundred and eighty-nine + 31

C.

65 + 667

1.

Seven hundred and thirty-two

2.

100 10
100 10
100 ▮

3.

100 100 100 100 10
100 100 100 10
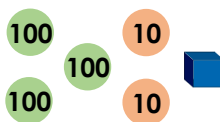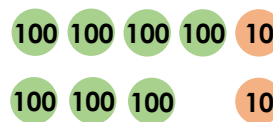
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8. True or false? The calculations below are correct.

A.

462 + 43 = 501

B.

46 + 266 = 312

C.

296 + 24 = 320

D.

617 + 82 = 698

VF
HW/Ext

9. Tim has asked Amy to help him with the column addition below. Amy says,

	3	4	8
+		7	☐
	4	☐	2

The calculation is 348 + 74, and the answer is four hundred and twelve.
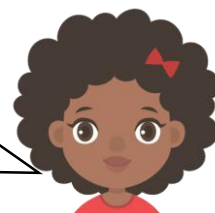
Is she correct? Explain how you know.

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Homework/Extension – Add 2-Digit and 3-Digit Numbers – Year 3 Greater Depth

Developing
1. **A) 1; B) 2**
2. **A) true; B) false, the answer is 305**
3. **Elaine is correct because Maya has not added the exchange in the tens column.**

Expected
4. **A) 2; B) 3; C) 1**
5. **A) false, the answer is 505; B) false, the answer is 312**
6. **Val is correct because Max has not added the exchange in the hundreds column.**

Greater Depth
7. **A) 2; B) 3; C) 1**
8. **A) false, the answer is 505; B) true; C) true, D) false, the answer is 699**
9. **Amy is correct that the calculation is 348 + 74, but her answer is incorrect as she hasn't added the exchange in the tens column. The answer is 422.**

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