Varied Fluency
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:

Developing Questions to support adding 2-digit and 3-digit numbers with exchanging in one place value column. Using Base 10.
Expected Questions to support adding 2-digit and 3-digit numbers with exchanging in up to two place value columns. Using numerals and some pictorial representations.
Greater Depth Questions to support adding 2-digit and 3-digit numbers with exchanging in up to two place value columns. Using numerals, words and some mixed pictorial representations within a question.

More Year 3 Addition and Subtraction resources.

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

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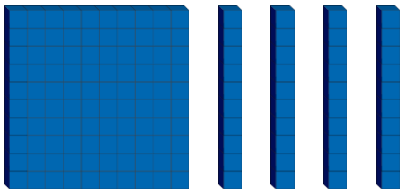
Add 2-Digit and 3-Digit Numbers

1a. What number is represented below?



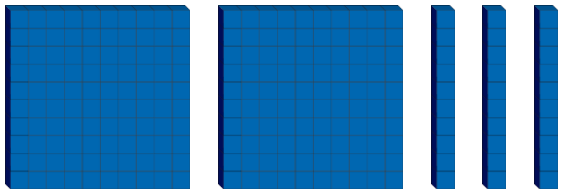
Now add 45.

What is the total?

D VF

Add 2-Digit and 3-Digit Numbers

1b. What number is represented below?

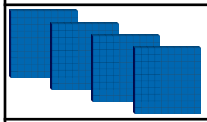


Now add 69.

What is the total?

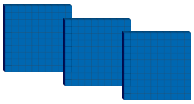
D VF

2a. Complete the calculation. Represent your answer using Base 10.

	H	T	O
			
+			

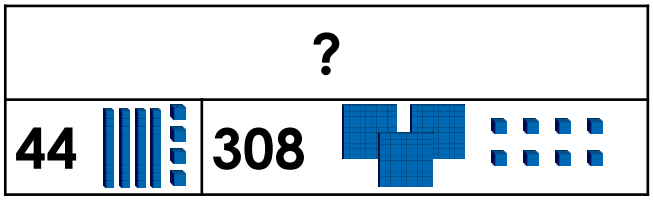
D VF

2b. Complete the calculation. Represent your answer using Base 10.

	H	T	O
+			

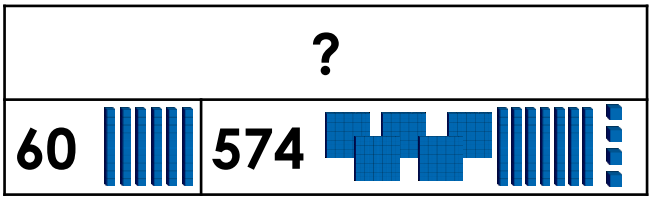
D VF

3a. Complete the bar model.



D VF

3b. Complete the bar model.



D VF

4a. Complete the calculations. Fill in the missing blanks using <, > or =.

A. 121 + 96 ☐ 225 + 36

B. 122 + 69 ☐ 114 + 57

D VF

4b. Complete the calculations. Fill in the missing blanks using <, > or =.

A. 351 + 58 ☐ 412 + 78

B. 567 + 61 ☐ 519 + 44

D VF

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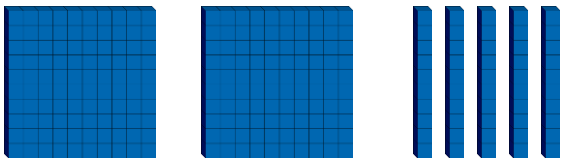
Add 2-Digit and 3-Digit Numbers

5a. What number is represented below?



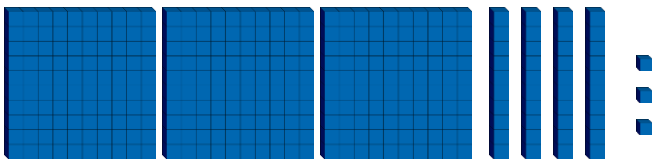
Now add 56.

What is the total?

VF

Add 2-Digit and 3-Digit Numbers

5b. What number is represented below?

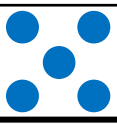


Now add 48.

What is the total?

VF

6a. Complete the calculation. Represent your answer using counters.

	H	T	O
+			

VF

6b. Complete the calculation. Represent your answer using counters.

	H	T	O
+			

VF

7a. Complete the bar model.

?	
83	398

VF

7b. Complete the bar model.

?	
64	497

VF

8a. Complete the calculations. Fill in the missing blanks using <, > or =.

A. 462 + 59 ☐ 533 + 88

B. 274 + 57 ☐ 246 + 77

VF

8b. Complete the calculations. Fill in the missing blanks using <, > or =.

A. 742 + 79 ☐ 695 + 17

B. 845 + 87 ☐ 782 + 49

VF

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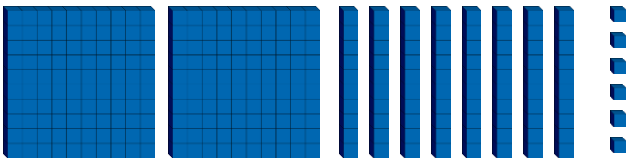
Add 2-Digit and 3-Digit Numbers

9a. What number is represented below?



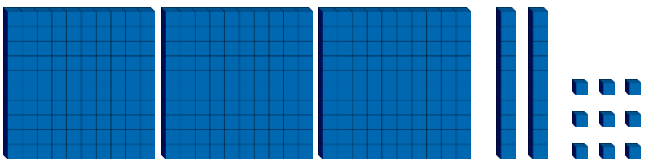
Now add 34.

What is the total?

GD VF

Add 2-Digit and 3-Digit Numbers

9b. What number is represented below?

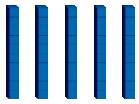
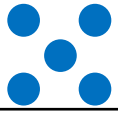


Now add 76.

What is the total?

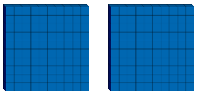
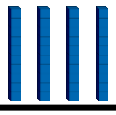
GD VF

10a. Complete the calculation. Represent your answer using counters.

	H	T	O
			
+			

GD VF

10b. Complete the calculation. Represent your answer using counters.

	H	T	O
			
+			

GD VF

11a. Complete the bar model.

?	
59	four hundred and sixty-eight

GD VF

11b. Complete the bar model.

?	
eighty-six	469

GD VF

12a. Complete the calculations. Fill in the missing blanks using <, > or =.

A. 523 + 89 ☐ 556 + fifty-seven

B. 484 + 77 ☐ 497 + 64

GD VF

12b. Complete the calculations. Fill in the missing blanks using <, > or =.

A. 789 + 85 ☐ 777 + 97

B. 288 + seventy-three ☐ 247 + 84

GD VF

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Varied Fluency
Add 2-Digit and 3-Digit Numbers

Developing
1a. 140, 185
2a. 471
3a. 352
4a. A: (217) < (261); B: (191) > (171)

Expected
5a. 250, 306
6a. 601
7a. 481
8a. A: (521) < (621); B: (331) > (323)

Greater Depth
9a. 286, 320
10a. 531
11a. 527
12a. A: (612) < (613); B: (561) = (561)

Varied Fluency
Add 2-Digit and 3-Digit Numbers

Developing
1b. 230, 299
2b. 391
3b. 634
4b. A: (409) < (490); B: (628) > (563)

Expected
5b. 343, 391
6b. 421
7b. 561
8b. A: (821) > (712); B: (932) > (831)

Greater Depth
9b. 329, 405
10b. 325
11b. 555
12b. A: (874) = (874); B: (361) > (331)

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