Varied Fluency
Step 3: Add 3-Digit and 1-Digit Numbers

National Curriculum Objectives:

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

Differentiation:

Developing Questions to support adding 3-digit and 1-digit numbers where exchanging is involved. No use of zero as a place holder. Using Base 10, number lines and numerals.
Expected Questions to support adding 3-digit and 1-digit numbers where exchanging is involved. Including the use of zero as a place holder. Using a variety of manipulatives.
Greater Depth Questions to support adding 3-digit and 1-digit numbers where exchanging is involved. Including the use of zero as a place holder. Some use of two exchanges e.g. 396 + 4. Using numerals and limited pictorial representations.

More Year 3 Addition and Subtraction resources.

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

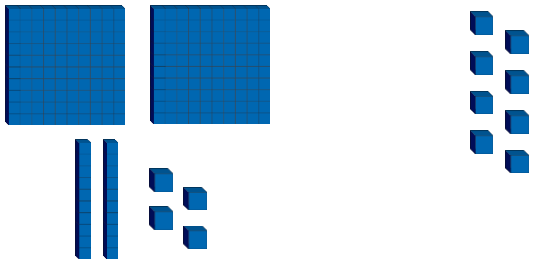
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Add 3-Digit and 1-Digit Numbers

Add 3-Digit and 1-Digit Numbers

1a. Use the Base 10 to help you solve:

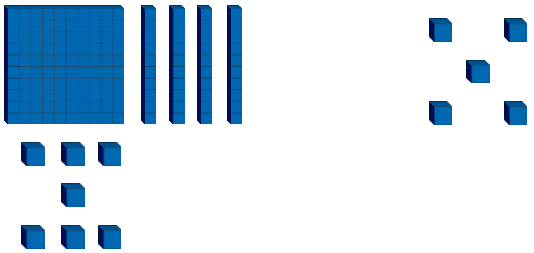
224 + 8 =



D VF

1b. Use the Base 10 to help you solve:

147 + 5



D VF

2a. Use the place value charts to solve the calculations below.

A)

H	T	O
■■	|||	●●●

+

H	T	O
		●●●●

B)

H	T	O
■■■	||||	●●●

+

H	T	O
		●●●●●

D VF

2b. Use the place value charts to solve the calculations below.

A)

H	T	O
■■	||||	●●●

+

H	T	O
		●●●●

B)

H	T	O
■■■	|	●●●

+

H	T	O
		●●●●●

D VF

3a. Use the number lines to help you solve the following calculations:

A. 265 + 6 =

265 266 267 268 269 270 271 272 273 274 275

B. 184 + 7 =

184 185 186 187 188 189 190 191 192 193 194

C. 354 + 9 =

354 355 356 357 358 359 360 361 362 363 364

D VF

3b. Use the number lines to help you solve the following calculations:

A. 114 + 8 =

114 115 116 117 118 119 120 121 122 123 124

B. 288 + 3 =

288 289 290 291 292 293 294 295 296 297 298

C. 138 + 5 =

138 139 140 141 142 143 144 145 146 147 148

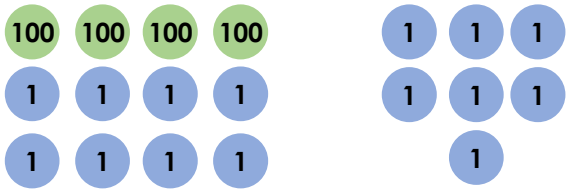
D VF

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Add 3-Digit and 1-Digit Numbers

4a. Use the place value counters to help you solve:

408 + 7 =

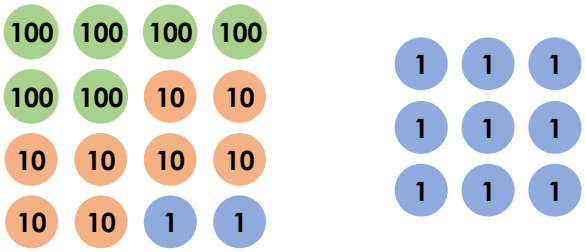


E VF

Add 3-Digit and 1-Digit Numbers

4b. Use the place value counters to help you solve:

682 + 9 =



E VF

5a. Use the place value charts to solve the calculations below.

A)

H	T	O
●●●		●●●

+

H	T	O
		●●●

B)

H	T	O
●●●	●	●●●

+

H	T	O
		●●●●

E VF

5b. Use the place value charts to solve the calculations below.

A)

H	T	O
●●		●●●●●

+

H	T	O
		●●

B)

H	T	O
●●●	●	●●●

+

H	T	O
		●●●

E VF

6a. Use the number lines to help you solve the following calculations:

A. 768 + 5 =

768

B. 903 + 8 =

903

C. 205 + 9 =

205

E VF

6b. Use the number lines to help you solve the following calculations:

A. 406 + 8 =

406

B. 702 + 9 =

702

C. 586 + 5 =

586

E VF

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Add 3-Digit and 1-Digit Numbers

7a. Solve the calculations below:

A. 599 + 4 =

B. 698 + 8 =

C. 402 + 9 =

GD VF

Add 3-Digit and 1-Digit Numbers

7b. Solve the calculations below:

A. 796 + 8 =

B. 307 + 5 =

C. 893 + 8 =

GD VF

8a. Use column addition to solve:

A.

	4	0	6
+			6

B.

	8	9	7
+			8

GD VF

8b. Use column addition to solve:

A.

	9	0	8
+			7

B.

	6	9	4
+			9

GD VF

9a. Use mental methods to solve the following calculations:

A. 788 + 5 =

B. 805 + 9 =

C. 597 + 7 =

GD VF

9b. Use mental methods to solve the following calculations:

A. 909 + 4 =

B. 692 + 9 =

C. 834 + 7 =

GD VF

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Varied Fluency
Add 3-Digit and 1-Digit Numbers

Developing

1a. 232

2a. A: 541; B: 563

3a. A: 271; B: 191; C: 363

Expected

4a. 415

5a. A: 511; B: 863

6a. A: 773; B: 911; C: 214

Greater Depth

7a. A: 603; B: 706; C: 411

8a. A: 412; B: 905

9a. A: 793; B: 814; C: 604

Varied Fluency
Add 3-Digit and 1-Digit Numbers

Developing

1b. 152

2b. A: 251; B: 521

3b. A: 122; B: 291; C: 143

Expected

4b. 691

5b. A: 211; B: 521

6b. A: 414; B: 711; C: 591

Greater Depth

7b. A: 804; B: 312; C: 901

8b. A: 915; B: 703

9b. A: 913; B: 701; C: 841

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