Varied Fluency
Step 2: 3-digit Numbers and Ones

National Curriculum Objectives:

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

Differentiation:

Developing Questions to support adding and subtracting 3-digit numbers and a 1-digit number using Base 10 and some numerals.
Expected Questions to support adding and subtracting 3-digit numbers and a 1-digit number using mostly place value counters and some numerals or words.
Greater Depth Questions to support adding and subtracting 3-digit numbers and a 1-digit number using numerals and words.

More resources which follow the same small steps as White Rose.

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

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Varied Fluency – 3-digit Numbers and Ones

1a.

Draw the answer using Base 10.

D VF

1b.

Draw the answer using Base 10.

D VF

2a. Use Base 10 to complete the calculation.

152 + 3 = ☐

D VF

2b. Use Base 10 to complete the calculation.

241 + 5 = ☐

D VF

3a. Anya and Luke are representing numbers using Base 10.

How much do they have altogether?

D VF

3b. Caleb and Evie are representing numbers using Base 10.

How much do they have altogether?

D VF

4a. Fill in the missing number or operation.

D VF

4b. Fill in the missing number or operation.

D VF

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Varied Fluency – 3-digit Numbers and Ones

5a. Draw the answer in the empty box using place value counters.

E VF

5b. Draw the answer in the empty box using place value counters.

E VF

6a. Complete the number sentences.

343 + 5 = ☐

478 – 7 = ☐

E VF

6b. Complete the number sentences.

602 + 6 = ☐

939 – 5 = ☐

E VF

7a. Poppy and Sanjay are representing numbers using place value counters.

How much do they have altogether?

E VF

7b. Marcus and Lily are representing numbers using place value counters.

How much do they have altogether?

E VF

8a. Fill in the missing number or operation.

365 + ☐ = 369

679 – ☐ = 672

751 ☐ 5 = 756

E VF

8b. Fill in the missing number or operation.

623 + ☐ = 628

987 – ☐ = 981

819 ☐ 5 = 814

E VF

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Varied Fluency – 3-digit Numbers and Ones

9a. Write the answers in words.

Seven hundred and sixty two plus five equals:

Eight hundred and fourteen plus four equals:

GD VF

9b. Write the answers in words.

Nine hundred and thirty seven minus three equals:

Six hundred and nine minus five equals:

GD VF

10a. Complete the number sentences.

702 + 5 = ☐

818 – 6 = ☐

GD VF

10b. Complete the number sentences.

985 + 4 = ☐

677 – 7 = ☐

GD VF

11a. Angus and Bessie each have different numbers.

How much do they have altogether?

GD VF

11b. Theo and Libby each have different numbers.

How much do they have altogether?

GD VF

12a. Fill in the missing number or operation.

515 + ☐ = 519

879 – ☐ = 872

982 ☐ 5 = 987

☐ – 8 = 771

GD VF

12b. Fill in the missing number or operation.

602 + ☐ = 609

817 – ☐ = 812

991 ☐ 8 = 999

☐ – 7 = 762

GD VF

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Varied Fluency – 3-digit Numbers and Ones

Developing

1a. 325

1b. 239

2a. 155
2b. 246
3a. Anya has 212 and Luke has 3. Altogether they have 215
3b. Caleb has 131 and Evie has 4. Altogether they have 135.
4a. 3, –
4b. 4, –

Expected

5a. 437

5b. 648

6a. 348, 471
6b. 608, 934
7a. Poppy has 632 and Sanjay has 7. Altogether they have 639.
7b. Marcus has 6 and Lily has 721. Altogether they have 727.
8a. 4, 7, +
8b. 5, 6, –

Greater Depth

9a. Seven hundred and sixty-seven. Eight hundred and eighteen.
9b. Nine hundred and thirty-four. Six hundred and four.
10a. 707, 812
10b. 989, 670
11a. Altogether Angus and Bessie have 878.
11b. Altogether Theo and Libby have 959.
12a. 4, 7, +, 779
12b. 7, 5, +, 769

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