Varied Fluency
Step 4: Subtract 1-digit from 3-digits

National Curriculum Objectives:

Mathematics Year 3: (3C1) Add and subtract numbers mentally, including

- three-digit number and ones
- three-digit number and tens
- three-digit number and hundreds

Differentiation:

Developing Questions to support subtracting 1 digit from 3 digits- not crossing 10.
Expected Questions to support subtracting 1 digit from 3 digits- crossing 10.
Greater Depth Questions to support subtracting 1 digit from 3 digits- crossing 10, effecting the tens and hundreds columns, including beginning the calculation at zero.

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 – Subtract 1-digit from 3-digits

1a. Complete the part-whole model

D VF

1b. Complete the part-whole model

D VF

2a. Use the number line to help you answer 149 – 5.

D VF

2b. Use the number line to help you answer 509 – 8.

D VF

3a. Use Base 10 to calculate 217 – 6.

D VF

3b. Use Base 10 to calculate 345 – 3.

D VF

4a. Which bar model is correct?

A

465	
4	461

B

465	
462	4

D VF

4b. Which bar model is correct?

A

862	
8	869

B

869	
861	8

D VF

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Varied Fluency – Subtract 1-digit from 3-digits

5a. Complete the calculations.

124 – 5 = ☐

392 – 7 = ☐

485 – 4 = ☐

VF

5b. Complete the calculations.

715 – 9 = ☐

632 – 8 = ☐

217 – 8 = ☐

VF

6a. Use the number line to help you answer 143 – 5.

VF

6b. Use the number line to help you answer 696 – 7.

VF

7a. Use Base 10 to calculate 213 – 7.

VF

7b. Use Base 10 to calculate 362 – 9.

VF

8a. Which bar model is correct?

A

465	
8	456

B

465	
457	8

VF

8b. Which bar model is correct?

A

872	
420	452

B

872	
863	9

VF

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Varied Fluency – Subtract 1-digit from 3-digits

9a. Complete the calculations.

101 – 7 = ☐

308 – 9 = ☐

406 – 8 = ☐

GD VF

9b. Complete the calculations.

808 – 9 = ☐

102 – 8 = ☐

105 – 6 = ☐

GD VF

10a. Use the number line to help you answer 201 – 5.

195 196 197 198 199 200 201 202 203 204 205

GD VF

10b. Use the number line to help you answer 604 – 9.

595 596 597 598 599 600 601 602 603 604 605

GD VF

11a. Use Base 10 to calculate 203 – 7.

GD VF

11b. Use Base 10 to calculate 102 – 9.

GD VF

12a. Which bar model is correct?

A

404	
395	9

B

404	
300	96

GD VF

12b. Which bar model is correct?

A

105	
17	88

B

105	
87	17

GD VF

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Varied Fluency – Subtract 1-digit from 3-digits

Developing

1a. 16
1b. 248
2a. 144
2b. 501
3a. 2 hundreds, 1 ten, 1 one (211)
3b. 3 hundreds, 4 tens, 2 ones (342)
4a. A
4b. B

Expected

5a. 119, 385, 481
5b. 704, 624, 209
6a. 138
6b. 689
7a. 2 hundreds, 6 ones (206)
7b. 3 hundreds, 5 tens, 3 ones (353)
8a. B
8b. Both

Greater Depth

9a. 94, 299, 398
9b. 99, 94, 99
10a. 196
10b. 595
11a. 1 hundred, 9 tens, 6 ones (196)
11b. 9 tens, 3 ones (93)
12a. A
12b. A

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