Reasoning and Problem Solving
Step 16: Subtract 3-Digits from 3-Digits 2

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

Mathematics Year 3: (3C2) Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction

Differentiation:

Questions 1, 4 and 7 (Reasoning)
Developing Identify and explain the odd one out of subtraction calculations. Includes no exchanging.
Expected Identify and explain the odd one out of subtraction calculations. Includes one exchange per calculation.
Greater Depth Identify and explain the odd one out of subtraction calculations. Includes more than one exchange per calculation.

Questions 2, 5 and 8 (Problem Solving)
Developing Identify the correct numbers to complete the subtraction calculation. Includes no exchanging.
Expected Identify the correct numbers to complete the subtraction calculation. Includes one exchange per calculation.
Greater Depth Identify the correct numbers to complete the subtraction calculation. Includes more than one exchange per calculation.

Questions 3, 6 and 9 (Problem Solving)
Developing Identify the pairs of numbers which have a given difference between them. Includes no exchanging.
Expected Identify the pairs of numbers which have a given difference between them. Includes one exchange per calculation.
Greater Depth Identify the pairs of numbers which have a given difference between them. Includes more than one exchange per calculation.

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.

1a. Circle the odd one out.

589 – 324   496 – 231

614 – 411

378 – 113   578 – 313

Explain your reasoning.

D

R

1b. Circle the odd one out.

376 – 232   549 – 445

485 – 341

556 – 412   667 – 523

Explain your reasoning.

D

R

2a. Create a subtraction calculation using three of the numbers below.

679   421   265

698   416   258

D

PS

2b. Create a subtraction calculation using three of the numbers below.

488   213   268

467   224   254

D

PS

3a. Match the pairs of numbers which have a difference of 135.

446   543

549   121

757   332

678   414

D

PS

3b. Match the pairs of numbers which have a difference of 214.

645   305

548   334

848   431

749   511

D

Ps

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Reasoning and Problem Solving – Subtract 3-Digits from 3-Digits 2 – Year 3 Developing

4a. Circle the odd one out.

742 – 238   691 – 187

892 – 388

683 – 179   753 – 248

Explain your reasoning.

4b. Circle the odd one out.

618 – 434   545 – 361

549 – 366

727 – 543   936 – 752

Explain your reasoning.

5a. Create a subtraction calculation using three of the numbers below.

| 493 | 249 | 235 |

| 474 | 258 | 215 |

5b. Create a subtraction calculation using three of the numbers below.

| 823 | 409 | 408 |

| 816 | 408 | 406 |

6a. Match the pairs of numbers which have a difference of 346.

507   406

819   344

752   261

437   161

6b. Match the pairs of numbers which have a difference of 293.

508   326

806   414

509   513

707   225

Subtract 3-Digits from 3-Digits 2 | # Subtract 3-Digits from 3-Digits 2

7a. Circle the odd one out.

913 – 638   674 – 399

564 – 289

724 – 476   872 – 597

Explain your reasoning.

⭐GD

R

7b. Circle the odd one out.

822 – 349   862 – 389

934 – 445

751 – 278   670 – 197

Explain your reasoning.

⭐GD

R

8a. Create a subtraction calculation using three of the numbers below.

| 841 | 387 | 443 |

| 862 | 398 | 465 |

⭐GD

PS

8b. Create a subtraction calculation using three of the numbers below.

| 714 | 447 | 279 |

| 726 | 438 | 289 |

⭐GD

PS

9a. Match the pairs of numbers which have a difference of 367.

614   578

724   667

945   489

856   297

⭐GD

PS

9b. Match the pairs of numbers which have a difference of 445.

623   488

811   267

735   178

933   596

⭐GD

Ps

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Developing

1a. 614 – 411 is the odd one out because it is the only subtraction calculation with an answer of 203. The answer to all of the other subtraction calculations is 265.

2a. 679 – 421 = 258; 679 – 258 = 421

3a. 549 and 414; 678 and 543

Expected

4a. 753 – 248 is the odd one out because it is the only subtraction calculation with an answer of 505. The answer to all of the other subtraction calculations is 504.

5a. 493 – 258 = 235; 493 – 235 = 258

6a. 507 and 161; 752 and 406

Greater Depth

7a. 724 – 476 is the odd one out because it is the only subtraction calculation with an answer of 248. The answer to all of the other subtraction calculations is 275.

8a. 841 – 398 = 443; 841 – 443 = 398

9a. 945 and 578; 856 and 489

Developing

1b. 549 – 445 is the odd one out because it is the only subtraction calculation with an answer of 104. The answer to all of the other subtraction calculations is 144.

2b. 467 – 213 = 254; 467 – 254 = 213

3b. 645 and 431; 548 and 334

Expected

4b. 549 – 366 is the odd one out because it is the only subtraction calculation with an answer of 183. The answer to all of the other subtraction calculations is 184.

5b. 816 – 408 = 408

6b. 707 and 414; 806 and 513

Greater Depth

7b. 934 – 445 is the odd one out because it is the only subtraction calculation with an answer of 489. The answer to all of the other subtraction calculations is 473.

8b. 726 – 447 = 279; 726 – 279 = 447

9b. 623 and 178; 933 and 488

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