

Year 2 and Year 3 Addition and Subtraction Unit 3 (23190)

Additional teacher instructions for practice sheets

These notes indicate which practice sheets are most appropriate for which groups.

Day 1 Y2 Addition patterns Sheet 1

Working towards ARE / Working at ARE

Working towards ARE use a bead string and work on questions 1, 2, 3, 4, 5 & 6.

Day 1 Y2 Mystery numbers Sheet 2

Greater Depth

Day 1 Y3 Adding 1-digit numbers to 3-digit numbers Sheet 3

Working towards ARE / Working at ARE / Greater Depth

Working towards ARE complete Section A and first 4 questions of Section B.

Working at ARE complete at least Sections A and B.

Greater Depth start at Section B.

Day 2 Y2 Subtraction Sheet 1

Working towards ARE / Working at ARE / Greater Depth

Working towards ARE complete questions 1 to 10.

Day 2 Y3 Subtracting 1-digit numbers from 3-digit numbers Sheet 2

Working towards ARE / Working at ARE / Greater Depth

Working towards ARE complete Section A and first 4 questions of Section B.

Working at ARE complete at least Sections A and B.

Greater Depth start at Section B.

Addition patterns

Sheet 1

Complete each addition. Write one more with a similar pattern in each line.

1) $16 + 5 =$

$36 + 5 =$

2) $27 + 4 =$

$47 + 4 =$

3) $19 + 6 =$

$39 + 6 =$

4) $24 + 9 =$

$44 + 9 =$

5) $32 + 8 =$

$52 + 8 =$

6) $28 + 7 =$

$48 + 7 =$

7) $45 + 8 =$

$65 + 8 =$

8) $52 + 9 =$

$72 + 9 =$

9) $63 + 8 =$

$83 + 8 =$

10) $77 + 7 =$

$87 + 7 =$

Challenge

Adding a **mystery number** to a number ending in 7 always gives an answer ending in 1.

What is the **mystery number**?

Make up a mystery puzzle like this for a partner.

Mystery numbers

Sheet 2

Complete each sentence by writing the missing numbers.

$43 + \square = 48$

$27 + 7 = \square$

$36 + 6 = \square$

$\square - 3 = 48$

$67 + \square = 71$

$54 - \square = 48$

$\square - 4 = 48$

$\square - 4 = 98$

Challenge

Similar but with an extra twist...

$68 + 13 = \square$

$26 + 14 = \square$

$37 + 17 = \square$

$85 + 16 = \square$

$46 + 15 = \square$

Adding 1-digit numbers to 3-digit numbers

Sheet 3

Section A

$245 + 2 =$

$457 + 2 =$

$184 + 3 =$

$422 + 3 =$

$864 + 5 =$

$663 + 5 =$

Section B

$347 + 5 =$

$236 + 7 =$

$878 + 4 =$

$764 + 9 =$

$385 + 8 =$

$423 + 9 =$

$268 + 6 =$

$908 + 7 =$

Section C

$397 + 5 =$

$296 + 7 =$

$898 + 4 =$

$794 + 9 =$

$395 + 8 =$

$493 + 9 =$

$298 + 6 =$

$992 + 9 =$

Challenge

Can you describe what each set of calculations has in common?
Make up two more additions for each section.

Subtraction

Sheet 1

Complete these calculations.

1) $20 - 5 =$

2) $23 - 8 =$

3) $30 - 5 =$

4) $32 - 7 =$

5) $50 - 4 =$

6) $52 - 6 =$

7) $70 - 3 =$

8) $74 - 7 =$

9) $24 - 7 =$

10) $43 - 8 =$

11) $28 + 7 =$

12) $62 - 6 =$

13) $72 - 5 =$

14) $76 - 9 =$

15) $80 - 2 =$

16) $83 - 5 =$

17) $93 - 7 =$

18) $92 - 6 =$

19) $102 - 6 =$

20) $103 - 8 =$

Challenge

Similar but with an extra twist...

$63 - 15 =$

$32 - 13 =$

$54 - 16 =$

$85 - 16 =$

$41 - 12 =$

Subtracting 1-digit numbers from 3-digit numbers

Sheet 2

Section A

$245 - 2 =$

$457 - 2 =$

$184 - 3 =$

$428 - 3 =$

$869 - 5 =$

$666 - 5 =$

Section B

$342 - 5 =$

$233 - 7 =$

$872 - 4 =$

$764 - 9 =$

$385 - 8 =$

$413 - 7 =$

$264 - 6 =$

$922 - 8 =$

Section C

$702 - 5 =$

$201 - 7 =$

$103 - 4 =$

$505 - 9 =$

$803 - 5 =$

$405 - 7 =$

$202 - 8 =$

$304 - 6 =$

Challenge

Can you describe what each group of calculations has in common?
Now it's your turn! Make up two more subtractions for each section.

Addition and Subtraction

Answers

Day 1 Y2 Addition patterns Sheet 1

- | | |
|-------------------|---------------|
| 1. $16 + 5 = 21$ | $36 + 5 = 41$ |
| 2. $27 + 4 = 31$ | $47 + 4 = 51$ |
| 3. $19 + 6 = 25$ | $39 + 6 = 45$ |
| 4. $24 + 9 = 33$ | $44 + 9 = 53$ |
| 5. $32 + 8 = 40$ | $52 + 8 = 60$ |
| 6. $28 + 7 = 35$ | $48 + 7 = 55$ |
| 7. $45 + 8 = 53$ | $65 + 8 = 73$ |
| 8. $52 + 9 = 61$ | $72 + 9 = 81$ |
| 9. $63 + 8 = 71$ | $83 + 8 = 91$ |
| 10. $77 + 7 = 84$ | $87 + 7 = 94$ |

Challenge

The mystery number is 4.

Day 1 Y2 Mystery numbers Sheet 2

- | | |
|---------------|----------------|
| $43 + 5 = 48$ | $27 + 7 = 34$ |
| $36 + 6 = 42$ | $51 - 3 = 48$ |
| $67 + 4 = 71$ | $54 - 6 = 48$ |
| $52 - 4 = 48$ | $102 - 4 = 98$ |

Challenge

Similar but with an extra twist...

- | |
|-----------------|
| $68 + 13 = 81$ |
| $26 + 14 = 42$ |
| $37 + 17 = 54$ |
| $85 + 16 = 101$ |
| $46 + 15 = 61$ |

Addition and Subtraction

Answers

Day 1 Y3 Adding 1-digit numbers to 3-digit numbers Sheet 3

Section A

$245 + 2 = 247$

$457 + 2 = 459$

$184 + 3 = 187$

$422 + 3 = 425$

$864 + 5 = 869$

$663 + 5 = 668$

Section B

$347 + 5 = 352$

$236 + 7 = 243$

$878 + 4 = 882$

$764 + 9 = 773$

$385 + 8 = 393$

$423 + 9 = 432$

$268 + 6 = 274$

$908 + 7 = 915$

Section C

$397 + 5 = 402$

$296 + 7 = 303$

$898 + 4 = 902$

$794 + 9 = 803$

$395 + 8 = 403$

$493 + 9 = 502$

$298 + 6 = 304$

$992 + 9 = 1001$

Challenge

Section A: Use number facts to add the 1s digits.

Section B: 'Target the 10' to add across a multiple of 10.

Section C: 'Target the 10' again, this time crossing a multiple of 100.

Day 2 Y2 Subtraction Sheet 1

$1) 20 - 5 = 15$

$2) 23 - 8 = 15$

$3) 31 - 5 = 26$

$4) 32 - 7 = 25$

$5) 50 - 4 = 46$

$6) 52 - 6 = 46$

$7) 70 - 3 = 67$

$8) 74 - 7 = 67$

$9) 24 - 7 = 17$

$10) 43 - 8 = 35$

$11) 28 + 7 = 35$

$12) 62 - 6 = 56$

$13) 72 - 5 = 67$

$14) 76 - 9 = 67$

$15) 80 - 2 = 78$

$16) 83 - 5 = 78$

$17) 93 - 7 = 86$

$18) 92 - 6 = 86$

$19) 102 - 6 = 96$

$20) 103 - 8 = 95$

Challenge

Similar but with an extra twist...

$63 - 15 = 48$

$85 - 16 = 69$

$32 - 13 = 19$

$41 - 12 = 29$

$54 - 16 = 38$

Addition and Subtraction

Answers

Day 2 Y3 Subtracting 1-digit numbers from 3-digit numbers Sheet 2

Section A

$245 - 2 = 243$

$457 - 2 = 455$

$184 - 3 = 181$

$428 - 3 = 425$

$869 - 5 = 864$

$666 - 5 = 661$

Section B

$342 - 5 = 337$

$233 - 7 = 226$

$872 - 4 = 868$

$764 - 9 = 755$

$385 - 8 = 377$

$413 - 7 = 406$

$264 - 6 = 258$

$922 - 8 = 914$

Section C

$702 - 5 = 697$

$201 - 7 = 194$

$103 - 4 = 99$

$505 - 9 = 496$

$803 - 5 = 798$

$405 - 7 = 398$

$202 - 8 = 194$

$304 - 6 = 298$

Challenge

Section A: Use number facts to subtract from the 1s digit.

Section B: 'Bridge' across a multiple of 10.

Section C: 'Bridge' across a multiple of 100.