# Yr 4 Addition and Subtraction Unit 4 (4219)

### Additional teacher instructions for practice sheets

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

#### Day 1 Subtracting 3-digit numbers Sheet 1

Working towards ARE / Working at ARE / Greater Depth Working towards ARE to do Bronze and Challenge. Working at ARE to do Bronze, Silver and Challenge. Greater Depth do 3 from Bronze, 3 from Silver and all of Gold and both challenges.

#### Day 2 Using addition to check subtraction Sheet 1

Working towards ARE

Day 2 Using addition to check subtraction Sheet 2 Working at ARE

Day 2 Subtraction word problems Sheet 3 Greater Depth

#### Day 3 Using addition to check subtraction Sheet 1

**Working towards ARE** / **Working at ARE** / **Greater Depth** Working towards go straight to Challenge. They follow the same instructions BUT do **not** add the 1 and 9 leaving both numbers as multiples of 10, e.g. 650 – 560. They still use Frog to find the differences.

# Subtracting 3-digit numbers

Sheet 1

Use Frog to help you count up to solve these subtractions.

Bronze		
500 – 457	700 – 621	
800 – 783	900 – 842	
300 – 218	600 – 596	

Challenge

Use number 1 to say the answer to 501 - 457 without drawing another Frog line. Use number 2 to say the answer to 802 - 783. What about 303 - 218?

Silver	
216 – 164	805 – 765
303 – 286	519 – 483
417 – 379	702 – 691

Gold	
623 – 571	516 – 465
941 – 865	725 – 682
319 – 293	834 – 798

Challenge

Try 567 – 476, then 523 – 432, then 578 – 487, then 545 – 454. Can you see what these have in common other than being between 400 and 600? Could you generate another of the same sort?

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Using addit	ion to check subtraction Sheet 1	
<b>Be the teacher!</b> Use addition to check these If you find a wrong answer right answer.	e subtractions. use Frog to help you find the	200 ZANA
69 - 61 = 8	69 61	8
105 - 95 = 10	105 95	10
200 - 188 = 12	200 188	12
400 - 390 = 15	400 390	15
207 - 198 = 9	207 198	9
312 - 295 = 17	312 295	17
311 - 296 = 20	311 296	20
425 - 398 = 27	425 398	27

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## Using addition to check subtraction Sheet 2



Use Frog to find the differences, then check your answers with addition.

69 61	69 - 61 =
105 95	105 - 95 =
200 188	200 - 188 =
400 390	400 - 390 =
207 198	207 - 198 =
312 295	312 - 295 =
311	311 - 296 =
425 398	425 - 398 =

### Challenge

Use these digits: 5, 6 and 7 to create two 3-digit numbers. You must use all three digits in each number. Find the difference between your two numbers.

Repeat, but this time, create the two numbers which will give you the largest difference possible. Are you certain this is the largest difference?

Now create the two numbers that will give you the smallest difference possible.

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# Subtraction word problems

Sheet 3

Use Frog to solve these word problems. Show how you can check each of your answers using addition.

1. There are 304 people in the school. 267 of them are children. How many are teachers and other adults?

2. Eve collected 401 football cards. Ali collected 289 football cards. How many more cards has Eva?

3. Gemma scores 194 points on a computer game and then she gets some bonus points. If she has 213 points altogether, how many bonus points did she score?

4. Nico runs around a racetrack that is 415 metres long. He has run 277 metres so far. How much further does he have to run?

5. Tina has  $\pounds$ 627. She buys a computer that costs  $\pounds$ 479. How much money does she have left?

6. In a large secondary school, there are 678 girls and 127 teachers. If there are 1490 people in all, how many boys are there?

#### Challenge

Use these digits: 5, 6 and 7 to create two 3-digit numbers. You must use all three digits in each number. Find the difference between your two numbers.

Repeat, but this time, create the two numbers which will give you the largest difference possible. Are you certain this is the largest difference?

Now create the two numbers that will give you the smallest difference possible.

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# Using addition to check subtraction

Sheet 1

# Section 1

Use Frog to help you count up to solve these subtractions. Check each of your answers with addition.

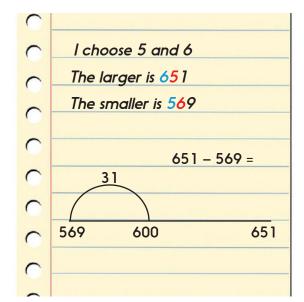
1. 755 654 -	1.	935 -	- 854 =
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- 2. 762 439 =
- 3. 839 573 =
- 4. 340 293 =
- 5. 613 234 =

# Section 2

Use these rules to create a subtraction:

- Take 2 consecutive digits. These are the 100s and 10s digits of your two numbers.
- In the larger number the bigger digit is first. In the smaller number, the smaller digit is first.
- Add 1 to the larger, and 9 to the smaller number to make the 3-digit numbers.
- Find the difference between the two.
- Repeat this three times.
   What do you notice?



	$\bullet + \bullet \bullet = \bullet \bullet + \bullet \bullet = \bullet \bullet$
Additio	n and subtractions
	Answers
Day 1 Subtracting 3-digit Bronze	numbers Sheet 1
500 - 457 = 43	Challenge
800 - 783 = 17 $300 - 218 = 82$ $700 - 621 = 79$ $900 - 842 = 58$ $600 - 596 = 4$	501 - 457 = 44 802 - 783 = 19 303 - 218 = 85
Silver 216 - 164 = 52 303 - 286 = 17 417 - 379 = 38 805 - 765 = 40 519 - 483 = 36 702 - 691 = 11	
Gold 623 - 571 = 52 941 - 865 = 76 319 - 293 = 26 516 - 465 = 51 725 - 682 = 43 834 - 798 = 36	Challenge         567 - 476 = 91         523 - 432 = 91         578 - 487 = 91         545 - 454.= 91

Day 2 Using addition to check subtraction Sheet 1

69 - 61 = 8 Correct 105 - 95 = 10 Correct 200 - 188 = 12 Correct 400 - 390 = 15 Incorrect. The correct answer is 10. 207 - 198 = 9 Correct 312 - 295 = 17 Correct 311 - 296 = 20 Incorrect. The correct answer is 15. 425 - 398 = 27 Correct

### Day 2 Using addition to check subtraction Sheet 2

	( Challenge )
69 - 61 = 8	657 - 576 = 81
105 - 95 = 10 200 - 188 = 12	657 - 567 = 90
	675 - 576 = 99
400 - 390 = 10.	675 - 567 = 108
207 - 198 = 9 312 - 295 = 17	756 - 576 = 180
311 - 296 = 15	765 - 567 = 198 (largest diference)
425 - 398 = 27	576 - 567 = 9 (smallest difference)

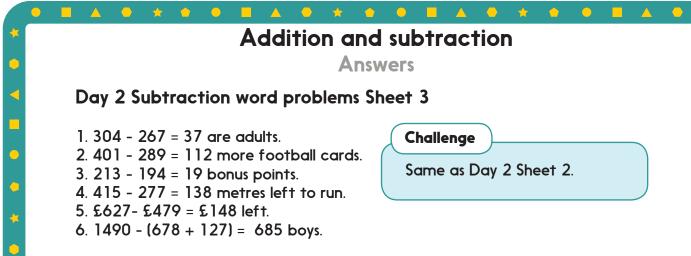
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### Day 3 - Using addition to check subtraction Sheet 1

Section 1
1. 935 – 854 = <mark>81</mark>
2. 762 – 439 = <mark>323</mark>
3. 839 – 573 = <mark>266</mark>
4. 340 – 293 = <mark>47</mark>
5. 613 – 234 = <mark>37</mark> 9

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#### **Section 2** 651 - 569 = 82

211 - 129 = 82 431 - 349 = 82

The answer is always 82.

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