

## 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

$500 - 457$

$800 - 783$

$300 - 218$

$700 - 621$

$900 - 842$

$600 - 596$

### 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

$216 - 164$

$303 - 286$

$417 - 379$

$805 - 765$

$519 - 483$

$702 - 691$

### Gold

$623 - 571$

$941 - 865$

$319 - 293$

$516 - 465$

$725 - 682$

$834 - 798$

### 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?

# Using addition to check subtraction

## Sheet 1

### Be the teacher!

Use addition to check these subtractions.

If you find a wrong answer use Frog to help you find the right answer.



$$69 - 61 = 8$$

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

# 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	
296	

$311 - 296 =$

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.

# 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 £627. She buys a computer that costs £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.

# 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.  $935 - 854 =$

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?

*I choose 5 and 6*

*The larger is 651*

*The smaller is 569*

$651 - 569 =$

31

569      600      651

# Addition and subtractions

## Answers

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

#### Bronze

$500 - 457 = 43$

$800 - 783 = 17$

$300 - 218 = 82$

$700 - 621 = 79$

$900 - 842 = 58$

$600 - 596 = 4$

#### Challenge

$501 - 457 = 44$

$802 - 783 = 19$

$303 - 218 = 85$

#### Silver

$216 - 164 = 52$

$303 - 286 = 17$

$417 - 379 = 38$

$805 - 765 = 40$

$519 - 483 = 36$

$702 - 691 = 11$

#### Challenge

$567 - 476 = 91$

$523 - 432 = 91$

$578 - 487 = 91$

$545 - 454 = 91$

They all equal 91.

#### Gold

$623 - 571 = 52$

$941 - 865 = 76$

$319 - 293 = 26$

$516 - 465 = 51$

$725 - 682 = 43$

$834 - 798 = 36$

### 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

$69 - 61 = 8$

$105 - 95 = 10$

$200 - 188 = 12$

$400 - 390 = 10$

$207 - 198 = 9$

$312 - 295 = 17$

$311 - 296 = 15$

$425 - 398 = 27$

#### Challenge

$657 - 576 = 81$

$657 - 567 = 90$

$675 - 576 = 99$

$675 - 567 = 108$

$756 - 576 = 180$

$765 - 567 = 198$  (largest difference)

$576 - 567 = 9$  (smallest difference)

# Addition and subtraction

## Answers

### Day 2 Subtraction word problems Sheet 3

1.  $304 - 267 = 37$  are adults.
2.  $401 - 289 = 112$  more football cards.
3.  $213 - 194 = 19$  bonus points.
4.  $415 - 277 = 138$  metres left to run.
5.  $£627 - £479 = £148$  left.
6.  $1490 - (678 + 127) = 685$  boys.

#### Challenge

Same as Day 2 Sheet 2.

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

#### Section 1

1.  $935 - 854 = 81$
2.  $762 - 439 = 323$
3.  $839 - 573 = 266$
4.  $340 - 293 = 47$
5.  $613 - 234 = 379$

#### Section 2

- $651 - 569 = 82$   
 $211 - 129 = 82$   
 $431 - 349 = 82$

The answer is always 82.