## Week 10, Day 3

## Use different ways to subtract 3-digit numbers

 Each day covers one maths topic. It should take you about 1 hour or just a little more.1. Start by carefully reading through the Learning Reminders.

2. Tackle the questions on the Practice Sheet. There might be a choice of either Mild (easier) or Hot (harder)!
Check the answers.

3. Finding it tricky? That's OK... have a go with a grown-up at A Bit Stuck?

4. Have I mastered the topic? A few questions to Check your understanding. Fold the page to hide the answers!
[^0]
## Learning Reminders

Use different ways to subtract 3-digit numbers.


Learning Reminders


## Practice Sheet Mild <br> Subtraction

Choose at least two subtractions to calculate by counting up on a number line.
Choose at least four subtractions to calculate using column subtraction.

| $804-578$ | $834-416$ | $879-725$ | $964-521$ | $645-271$ |
| :--- | :--- | :--- | :--- | :--- |
| $720-685$ | $845-428$ | $637-454$ | $914-698$ | $724-518$ |

## Practice Sheet Hot <br> Subtraction

Solve all 10 questions using either:
a) counting up on a number line, or
b) by column subtraction.

You must have at least three of each type!

| $804-578$ | $834-416$ | $879-725$ | $964-521$ | $645-271$ |
| :--- | :--- | :--- | :--- | :--- |
| $720-685$ | $845-428$ | $637-454$ | $914-698$ | $724-518$ |

## Practice Sheets Answers

## Subtraction (mild)

| $804-578=226$ | $834-416=418$ |
| :--- | :--- |
| $879-725=154$ | $964-521=443$ |
| $645-271=374$ | $720-685=35$ |
| $845-428=417$ | $637-454=183$ |
| $914-698=216$ | $724-518=206$ |

## Subtraction (hot)

| $804-578=226$ | $834-416=418$ |
| :--- | :--- |
| $879-725=154$ | $964-521=443$ |
| $645-271=374$ | $720-685=35$ |
| $845-428=417$ | $637-454=183$ |
| $914-698=216$ | $724-518=206$ |

## A Bit Stuck? <br> Hop to hundreds, and beyond!

## Work in pairs

Things you will need:

- A pencil



## What to do:

- Take it in turns to be the teacher and to be the Frog.

Choose a subtraction.
Tell your partner, one step at a time, how to work out the answer to the subtraction.

- Complete as many subtractions as you can.

| Hop, hop | Hop, jump, hop |
| :--- | :--- |
| $305-298$ | $406-386$ |
| $802-794$ | $203-175$ |
| $603-597$ | $501-468$ |
| $506-495$ | $604-559$ |



S-t-r-e-t-c-h:
Choose two subtractions from the hop, hop section to check using addition.

## Learning outcomes:

- I can use counting up (Frog) to subtract 3-digit numbers either side of a multiple of 100 , e.g. 304-297, then 304-267.
- I am beginning to use addition to check subtraction.


## Check your understanding Questions

Write these two numbers in expanded form, i.e. as hundreds + tens + ones:

- 749
- 321

Mentally find the difference between them. Write the answer.

Solve using column subtraction:
(i) 538-264
(ii) 783-427
(iii) 446-382
(iv) 621-355

Write the missing digits in this calculation:
$88 \square-3 \square 7=535$

## Check your understanding

## Answers

Write these two numbers in expanded form, i.e. as hundreds + tens + ones:

- $749700+40+9($ NOT $7+4+9)$.
- $321300+20+1($ NOT $3+2+1)$.

Mentally find the difference between them. Write the answer. 428

Solve using column subtraction:
(i) $538-264=274$
(ii) $783-427=356$
(iii) $446-382=64$
(iv) $621-355=266$

Answers of 334, 364, 144 and 334 respectively suggest that children are treating each column as single digits and finding the difference between the two. Some arithmetical errors are possible but most errors are likely to be due to incorrect exchanges between columns.

Write the missing digits in this calculation:

$$
882-347=535
$$


[^0]:    Identify the value of the ' 4 ' in the following numbers:
    (a) 3.407
    (b) 4.821
    (c) 0.043
    (d) 5.104
    (e) 48,739

