## Week 11, Day 1 <br> Revise column subtraction of 3-digit numbers

Each day covers one maths topic. It should take you about 1 hour or just a little more.

1. If possible, watch the PowerPoint presentation with a teacher or another grown-up.

OR 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. Think you've cracked it? Whizzed through the Practice Sheets? Have a go at the Investigation...

Learning Reminders

Revise column subtraction of 3-digit numbers.

```
543-367
337-128
481-236
```

$$
\begin{aligned}
& 500-400=100 \\
& 300-100=200 \\
& 500-200=300
\end{aligned}
$$

```
540-370=170
340-130=210
480-240=240
```



## Learning Reminders

## Revise column subtraction of 3-digit numbers.



Revise column subtraction of 3-digit numbers.
$543-367=176$
$337-128$
$481-236$

500-400 = 100
300-100 = $\mathbf{2 0 0}$
500-200 = $\mathbf{3 0 0}$

$$
\begin{aligned}
& 540-370=170 \\
& 340-130=210 \\
& 480-240=240
\end{aligned}
$$



## Practice Sheet Mild <br> Subtracting 3-digit numbers

Use your choice of expanded or compact column subtraction to calculate the answers. Watch out for one or two questions that might be more efficiently solved by counting up (using 'Frog').

```
e.g. 
    400 60 3
    -100207 463-127=336
```

1. $654-327$
2. $873-428$
3. $625-371$
4. $748-452$
5. $923-658$
6. $502-489$
7. $834-536$
8. $710-678$

## Practice Sheet Hot <br> Subtracting 3-digit numbers

Estimate each answer, then use compact column subtraction to calculate the answers. Watch out for one or two questions that might be more efficiently solved by counting up (using 'Frog').

1. $654-327$
2. $873-428$
3. $625-371$
4. $748-452$
5. $923-658$
6. $502-489$
7. $834-536$
8. $710-678$
9. $927-560$
10. $646-487$

## Challenge

Use the digits 4, 5, 6, 7, 8, 9 to create a 3-digit subtraction with an answer between 250 and 300 .
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## Practice Sheets Answers

Subtracting 3-digit numbers (mild)

1. $654-327=327$
2. $873-428=445$
3. $625-371=254$
4. $748-452=296$
5. $923-658=265$
6. $502-489=13$
7. $834-536=298$
8. $710-678=32$

Questions 6 and 8 might be best solved using counting up (Frog).
Subtracting 3-digit numbers (hot)

1. $654-327=327$
2. $873-428=445$
3. $625-371=254$
4. $748-452=296$
5. $923-658=265$
6. $502-489=13$
7. $834-536=298$
8. $710-678=32$
9. $927-569=358$
10. $646-487=159$

Questions 6 and 8 might be best solved using counting up (Frog).

## Challenge

Use the digits 4, 5, 6, 7, 8, 9 to create a 3-digit subtraction with an answer between 250 and 300.

```
e.g. 974-685=289
```

    \(756-489=267\)
    
## A Bit Stuck? <br> More subtraction in columns

## You will need:

- $1 p$ and 10p coins


## What to do:

- We want to find 71-47.
- Set it out as an expanded column subtraction and count out 71 p in 10p and $1 p$ coins:


7 is larger than 1 so we exchange one 10 p coin for ten 1 ps:

$40=20$ :

| 60 | 11 |
| ---: | ---: |
| 70 | 7 |
| -40 | 7 |
| 20 | 4 |

$$
71-47=24
$$



Now try these questions, setting out in columns and using the coins to help.

1. 73-28
2. 64-19
3. 82-54
4. 91-68
5. 74-38

