# Year 5: Week 4, Day 3 <br> Written subtraction (2) 

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

1. Start by reading through the Learning Reminders. They come from our PowerPoint slides.

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...

Use decomposition to subtract 4-digit numbers from 5-digit numbers.

45,782 - $7356=38,426$
Write this as a vertical
subtraction.
What do you think we need to watch out for when setting it out?


## Learning Reminders

## Use decomposition to subtract pairs of 5-digit numbers and 4-digit

 numbers from 5 -digit numbers; Solve word problems.34,784 people live in Oakville. 9784 of them are children. 14,378 are pensioners. How many are adults?


## Practice Sheet Hot Subtraction practice

1. 57,348-3762
2. $83,602-7478$
3. There are 73.452 views of a cartoon on the Internet on Saturday. On Sunday, there are 5276 fewer views. How many views are there on Sunday?
4. A Boeing 777 plane flies $17,177 \mathrm{~km}$ from Sydney via Singapore to London. So far it has flown 8345 kilometres. How much further does it have to go?
5. A hot-air balloon has travelled 23 miles at 12,364 feet. It descends 1534 feet, then another 4245 feet. What is its altitude now?
6. A lottery winner buys a holiday for all her family for $£ 3448$ and a new car for $£ 5999$. She won $£ 35,478$. How much is left?

## Challenge

Write a word problem which involves subtracting 45,875 from 50,005 . Then explain how you would do the subtraction if you were solving your own word problem!
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## Practice Sheet Answers

Subtraction practice (mild)

1. $64,784-21,529=43,255 \quad$ 2. $75,548-43,273-32,275$
2. $86,347-33,720=52,627$
3. 72,583-45,251-27,332
4. $56,421-24,175=32,246$
5. 92,765-48,308-44,457
6. $45,287-38,145=7142$. There is a difference of 7142 between their populations.
7. $63,564-52,382=11,182$. The car drove 11,182 miles in the last year.

## Challenge

There are many possible answers here.

Subtraction practice (hot)

1. $57,348-3762=53,586$
2. $84,823-6248=78,575$
3. $45,240-2758=42,482$
4. $83,602-7478=76,124$
5. $52,033-5674=46,359$
6. $86,535-8645=77,890$
7. $73,452-5276=68,176$ views on Sunday.
8. $17,177-8345=8832$. The plane has 8832 km further to go.
9. 12,364-1534-4245 = 6585. The hot-air balloon is now at an altitude of 6585 feet.
10. 35,478-3448-5999 = 26,031. The lottery winner has $£ 26,031$ left.

## Challenge

There are many possible answers here.

## A Bit Stuck? Jump to Millennia

Things you will need:

- A pencil


## What to do:

- Choose at least four subtractions to work out.

Draw a line from the smaller number to the bigger number.
Use Frog to work out the difference between the two numbers.

- Remember to add up your hops and jumps at the end!

$$
\begin{gathered}
6002-3948 \quad 7010-6937 \quad 5300-4965 \quad 4005-3971 \\
9000-5672 \quad 6000-3583 \quad 8000-4548
\end{gathered}
$$



## S-t-r-e-t-c-h:

Write a subtraction where you would use Frog and a subtraction where you would use another method.

## Learning outcomes:

- I can use Frog to subtract 4-digit numbers from multiples of 1000 (e.g. 4000 - 3786 ).
- I can use Frog to subtract 4-digit numbers when the larger number has zeros (e.g. 4002 - 3987, 4020 - 3987, 4200 - 3987).
- I am beginning to decide when to use Frog and when to use another mental method.
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