# Drake Class
## Year 5 and 6 Maths Home Learning Activities
## Week beginning Monday 15/06/20

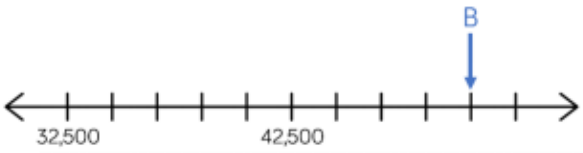
### Subtraction

**We have covered subtraction before – earlier in the year – but I thought that it would be useful to revisit some of the strategies we use to calculate answers.**

**Step 1: Use a number of methods to subtraction**

**You may find the calculations too difficult. If that is the case, find you level and then make some up of your own at the right level for you.**

Find the difference between A and B.


| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | 4 | 7 | 6 | 1 | 3 | 2 | 5 |
| – | | 9 | 3 | 8 | 0 | 5 | 2 |
| | | | | | | | |

834,501 – 299,999

☐ = 435 – 30

4,912 – 824 =

234,897 – 45,996 =

Decimal Extension:

12 – 6.01 =

37.8 – 14.671 =

**Step 2: Missing digits with formal method**

1.
$$\begin{array}{r} 7\square20 \\ -\ 849 \\ \hline 6671 \end{array}$$

2.
$$\begin{array}{r} 6471 \\ -\ 6\square9 \\ \hline 5782 \end{array}$$

3.
$$\begin{array}{r} 621\square \\ -\ \square17 \\ \hline 5893 \end{array}$$

4.
$$\begin{array}{r} 48\square0 \\ -\ \square9\square \\ \hline 4443 \end{array}$$

5.
$$\begin{array}{r} 4\square4\square \\ -\ 1\square4 \\ \hline 4354 \end{array}$$

6.
$$\begin{array}{r} 80\square1 \\ -\ \square1\square \\ \hline 7980 \end{array}$$

Extension:

7.
$$\begin{array}{r} 450903 \\ -\ \square8\square6\square2 \\ \hline 68261 \end{array}$$

8.
$$\begin{array}{r} \square82046\,2 \\ -\ 4\square89\square73 \\ \hline 203108\square \end{array}$$

## Step 4: Problem solving with addition and subtraction

Mo, Whitney, Teddy and Eva collect marbles.

Mo: I have 1,648 marbles.

I have double the amount of marbles Mo has. — Whitney

Teddy: I have half the amount of marbles Mo has.

In total they have 8,524 marbles between them.
How many does Eva have?

A milkman has 250 bottles of milk.

He collects another 160 from the dairy, and delivers 375 during the day.

How many does he have left?

Tommy: My method:

$375 - 250 = 125$

$125 + 160 = 285$

Do you agree with Tommy?
Explain why.

On Monday, Whitney was paid £114

On Tuesday, she was paid £27 more than on Monday.

On Wednesday, she was paid £27 less than on Monday.

How much was Whitney paid in total?

How many calculations did you do?

Is there a more efficient method?

## Step 5: Solving addition AND subtraction problems

Addition and Subtraction Problems

Pavel buys a T-shirt for £4.50, a skirt for £7.99 and a pair of shorts. He pays for the items with a £20 note and gets the following coins as change.

Discuss with a partner your answer and compare methods. Can you find a way to solve this using a diagram?
How much were the shorts?

Addition and Subtraction Problems

Over the weekend, Nikita spends 85 minutes on her project and 45 minutes on her maths homework.

On Monday, she spends 65 minutes on her spelling and grammar homework.

Explain how you would work out how much longer she spends on her homework over the weekend. Can you find more than one method?

Addition and Subtraction Problems

George read three books in January, which had 173 pages, 206 pages and 139 pages.

He has some books to read in February. Two books have 287 pages and 114 pages. How many more pages must he read to read more pages in February than in January?

Draw a diagram, such as a bar model, to explain how to calculate the answer, and then solve the problem.

Explain your ideas to a partner.

Addition and Subtraction Problems

Nikita wants to travel from Doncaster to Lincoln. If she gets the train at 20:27 she will arrive at Retford 36 minutes later. She will have a 20 minute wait for the 13 minute train to Lincoln.

Alternatively, she could get a direct train at 20:52 that takes 51 minutes. Which train will allow her to get to Lincoln first?

Show how you could use a timeline to explain your answer. Compare yours with a partner.

Also, the **Oak Academy online lessons** have 5 sessions – including video, explanations and independent tasks
There are not any addition and subtraction lessons for Y6 but you could work on any subject area you feel you need to improve on:
https://www.thenational.academy/online-classroom/year-5/maths#subjects – there is a whole section on decimals which could be really handy to go over again.
https://www.thenational.academy/online-classroom/year-6/maths#subjects – there is a really big section on fractions which could really help in recapping your knowledge.

**Additional areas to work on:**

**Play on Hit the Button** - focus multiplication tables.

**Work through the areas of an arithmetic paper** (which can be found on the KS2 Maths Organiser on the school website) Look at the Calculation Policy on the school website under 'Curriculum' and then 'Maths' for help in how to support + - x and ÷

https://www.sampford-peverell-primary.devon.sch.uk/website/maths/459621