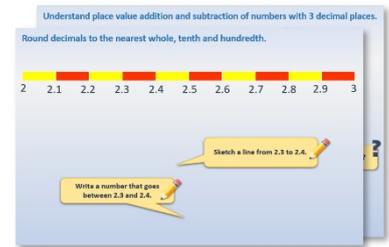


Week 15, Day 1

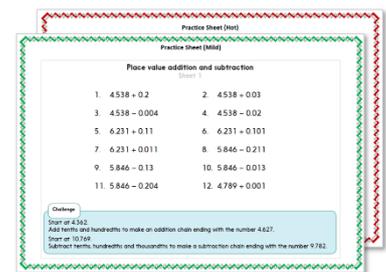
Subtraction strategies (1)

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

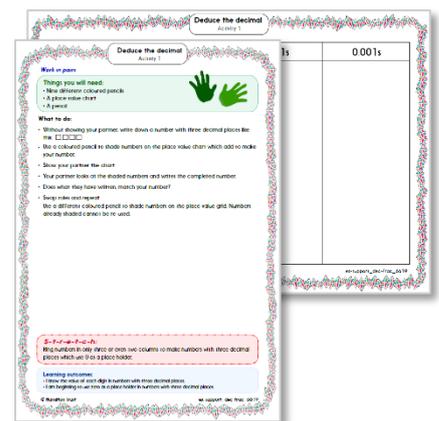
1. Start by reading through the **Learning Reminders**. They come from our *PowerPoint* slides.



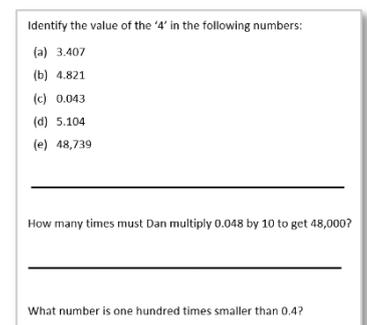
2. Tackle the questions on the **Practice Sheet**. There might be a choice of either **Mild** (easier) or **Hot** (harder)! Check the answers.



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

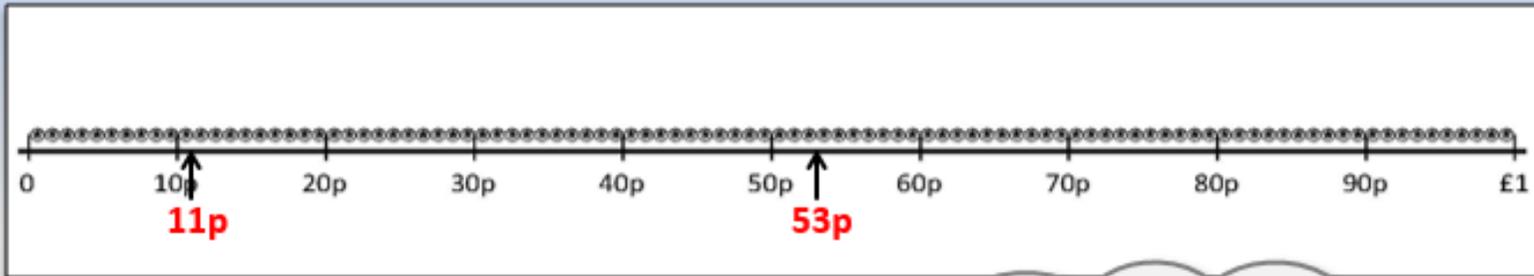


4. Have I mastered the topic? A few questions to **Check your understanding**. Fold the page to hide the answers!



Learning Reminders

Subtract by counting up or counting back.



I have **53p** and want to buy an apple for **11p**.
How much will I have left?

Do you think it will be more efficient to use Maths Frog to count up to find the difference between 11 and 53, or to take away 11 from 53?



It would be a lot of jumping for Frog to get from 11 to 53!

Probably better to take away 11 from 53 using place value and number facts.

$$53 - 10 = 43, \\ \text{then } 43 - 1 = 42\text{p}$$

Learning Reminders

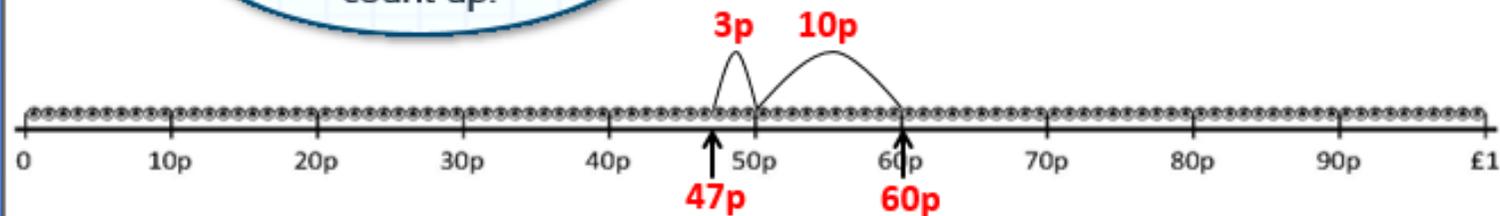
Subtract by counting up or counting back.

I have **60p** and spend **47p**
on a drink.
How much will I have left?

Do you think it will be
more efficient to use
Maths Frog to count up to
find the difference
between 47 and 60, or to
take away 47 from 60?



The numbers are
close, so let's
count up.



Add the jumps to find
the difference.

$$60\text{p} - 47\text{p} = 13\text{p}$$

Learning Reminders

Subtract by counting up or counting back.

$60 - 21$

$60 - 46$

Which way you would solve each of these: taking away (counting back) or finding the difference (counting up)?



Everyone might not agree, and that's OK.

Today you will choose which way to solve some subtractions. Always look for the most **efficient** way.

Practice Sheet for All

Count up or count back?

Sort the subtractions into two groups: 'counting up' or 'counting back', depending on how you would choose to solve them. Circle them in different colours: Blue for counting up and red for counting back.

$52 - 10$

$74 - 48$

$67 - 11$

$91 - 13$

$84 - 65$

$30 - 17$

$43 - 12$

$66 - 49$

Hot: Now have a go at this Challenge.

Challenge

Write four more subtraction sentences – two that might best be solved by counting up and two most easily solved by counting back.

Practice Sheet Answers

Count up or back?

Counting up = blue

Counting back = red

$$52 - 10 = 42$$

$$67 - 11 = 56$$

$$84 - 65 = 19$$

$$43 - 12 = 31$$

$$74 - 48 = 26$$

$$91 - 13 = 78$$

$$30 - 17 = 13$$

$$66 - 49 = 17$$

This could be both.

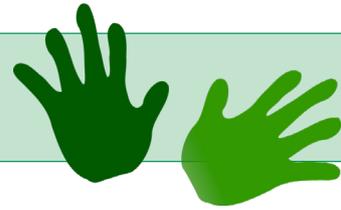
This could be both.

A Bit Stuck? Pocket money

Work in pairs

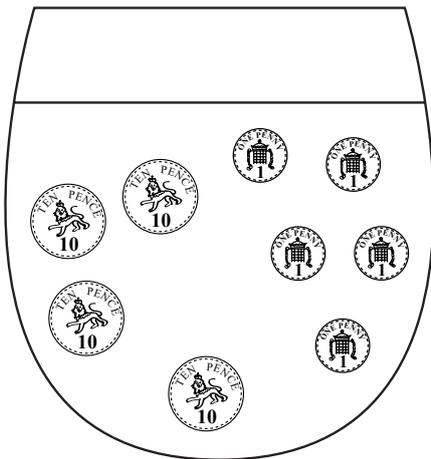
Things you will need:

- A pencil



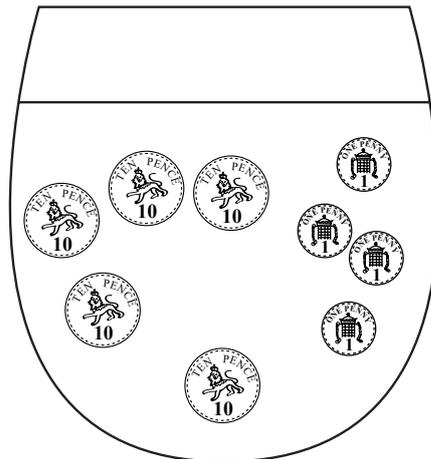
What to do:

- Cross out coins for the amount spent.
- How much will be left in each pocket?



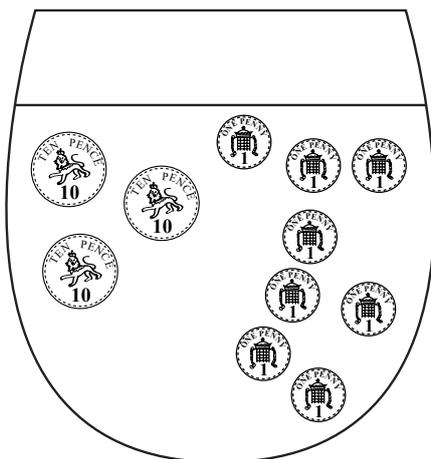
Spend 12p

$$45\text{p} - 12\text{p} = \boxed{} \text{p}$$



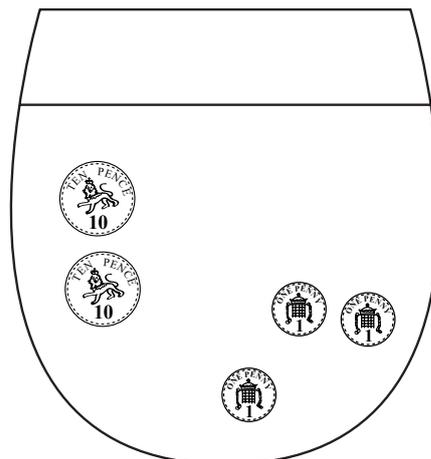
Spend 11p

$$54\text{p} - 11\text{p} = \boxed{} \text{p}$$



Spend 13p

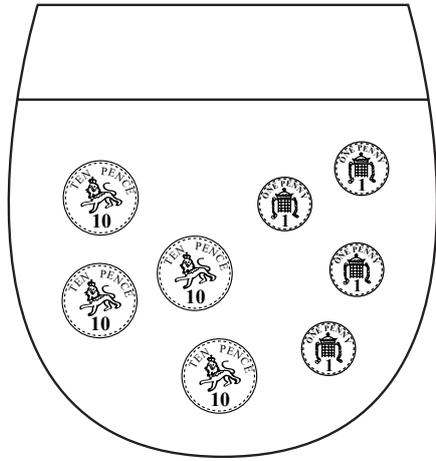
$$38\text{p} - 13\text{p} = \boxed{} \text{p}$$



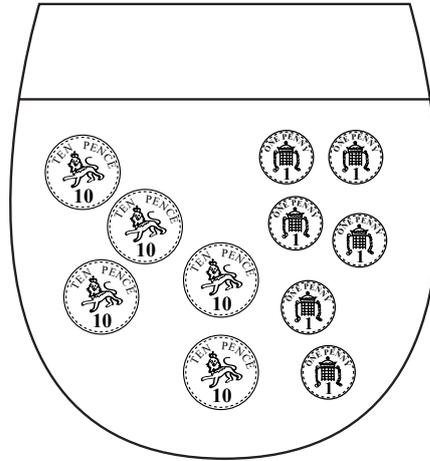
Spend 13p

$$23\text{p} - 13\text{p} = \boxed{} \text{p}$$

A Bit Stuck? Pocket money



Spend 12p



Spend 11p

$$44\text{p} - 12\text{p} = \square \text{ p}$$

$$56\text{p} - 11\text{p} = \square \text{ p}$$

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

Use 10p and 1p coins to work out:

$$45\text{p} - 21\text{p}$$

$$53\text{p} - 22\text{p}$$

$$36\text{p} - 23\text{p}$$

Learning outcomes:

- I can subtract 11, 12, 13 from 2-digit numbers.
- I am beginning to subtract 21, 22, 23 from 2-digit numbers.

Check your understanding

Questions

Explain which method you would choose to answer each of these subtractions:

$85 - 11$

$53 - 48$

$47 - 24$

$63 - 47$

$74 - 64$

Fold here to hide answers.

Check your understanding

Answers

Answer may vary according to children's preferences.

Explain which method you would choose to do each of these subtractions:

$85 - 11 = 74$ Count back 10, then 1.

$53 - 48 = 5$ Count up from 48 to 50 to 53 using Frog as the numbers are very close.

$47 - 24 = 23$ Count back two 10s then 4.

$63 - 47 = 16$ Count up from 47 using Frog (2 or 3 hops).

$74 - 64 = 10$ Recognise the difference as 10; check on a 1-100 grid.