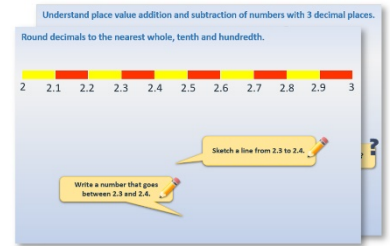


Year 2: Week 5, Day 2

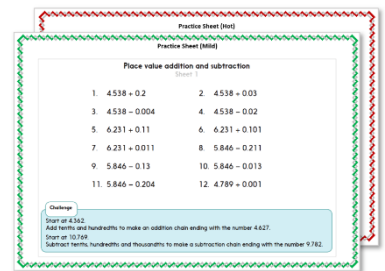
Subtraction strategies

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

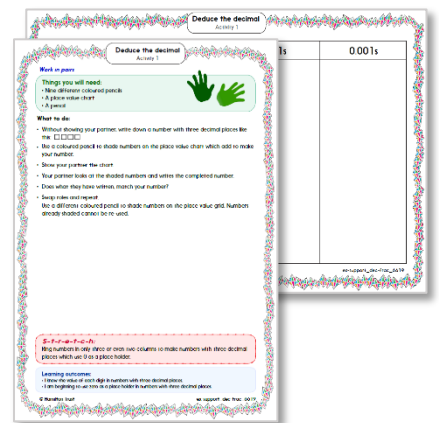
1. Start by reading through the **Learning Reminders**. They come from our *PowerPoint* slides.



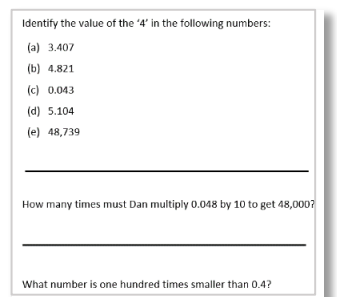
2. Tackle the questions on the **Practice Sheet**. There might be a choice of either **Mild** (easier) or **Hot** (harder)! Check the answers.



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

Identify number facts and strategies for solving subtraction questions.

$26 - 6$

$30 - 7$

$13 - 4$

$20 - 8$

$9 - 2$

$14 - 4$

$23 - 7$

Just as some of the additions we looked at on day 1 could be worked out using learned facts to help, the same is true of these subtractions.

Which of these can we solve using number facts we know?



We can use **number facts**.

$7 + 2 = 9 \text{ so } 9 - 2 = 7.$

We can use **number bonds to 20**.

$8 + 12 = 20, \text{ so } 20 - 8 = 12.$

We know $20 - 7 = 13$ so
 $30 - 17$ must be 10 more!

Learning Reminders

Identify number facts and strategies for solving subtraction questions.

$26 - 6$

$30 - 7$

$13 - 4$

$20 - 8$

$9 - 2$

$14 - 4$

$23 - 7$

We can also use place value for some... remember how we use place value cards...

1 4

$14 - 4 = 10$. Are there any others like that?

2 6

$26 - 6 = ?$

Learning Reminders

Identify number facts and strategies for solving subtraction questions.

We can sort the questions into 2 groups...

$9 - 2$

$14 - 4$

$26 - 6$

$20 - 8$

$30 - 7$

$23 - 7$

$13 - 4$

Solve by using place value/number facts

Solve by counting back

There is often more than one way of solving a problem in maths. That's helpful for checking!

But just like with addition we should try to spot the most **efficient and quickest way** to solve a problem.

Practice Sheet Mild

Subtraction practice

Choose to solve using place value, number facts, or by counting back. Copy the calculations into your book in coloured pencil according to the following code:

Place value = green

Number facts = orange

Counting back = blue

$$10 - 4$$

$$30 - 5$$

$$13 - 5$$

$$20 - 2$$

$$25 - 5$$

$$10 - 1$$

$$8 - 2$$

$$6 - 3$$

$$12 - 6$$

$$30 - 6$$

$$17 - 3$$

$$35 - 4$$

Challenge

Make up 4 subtractions of your own: two that might best be solved by counting back, one using place value and one using number facts. Challenge a friend to solve them.

Practice Sheet Hot

Subtraction practice

Choose to solve using place value, number facts, or by counting back. Copy the calculations into your book in coloured pencil according to the following code:

Place value = green

Number facts = orange

Counting back = blue

$$35 - 9$$

$$24 - 7$$

$$44 - 30$$

$$30 - 8$$

$$69 - 9$$

$$40 - 11$$

$$77 - 12$$

$$38 - 3$$

$$55 - 5$$

$$52 - 3$$

$$23 - 8$$

Challenge

Make up 6 subtractions of your own: two that might best be solved by counting back, two using place value, and two using number facts. Challenge a friend to solve them.

Practice Sheet Answers

Subtraction practice (Mild)

Place value = green

Number facts = orange

Counting back = blue

$$10 - 4 = 6$$

$$13 - 5 = 8$$

$$25 - 5 = 20$$

$$8 - 2 = 6$$

$$12 - 6 = 6$$

$$17 - 3 = 14$$

$$30 - 5 = 25$$

$$20 - 2 = 18$$

$$10 - 1 = 9$$

$$6 - 3 = 3$$

$$30 - 6 = 24$$

$$35 - 4 = 31$$

Subtraction practice (Hot)

Place value = green

Number facts = orange

Counting back = blue

$$35 - 9 = 26$$

$$44 - 30 = 14$$

$$69 - 9 = 60$$

$$77 - 12 = 65$$

$$55 - 5 = 50$$

$$23 - 8 = 15$$

$$24 - 7 = 17$$

$$30 - 8 = 22$$

$$40 - 11 = 29$$

$$38 - 3 = 35$$

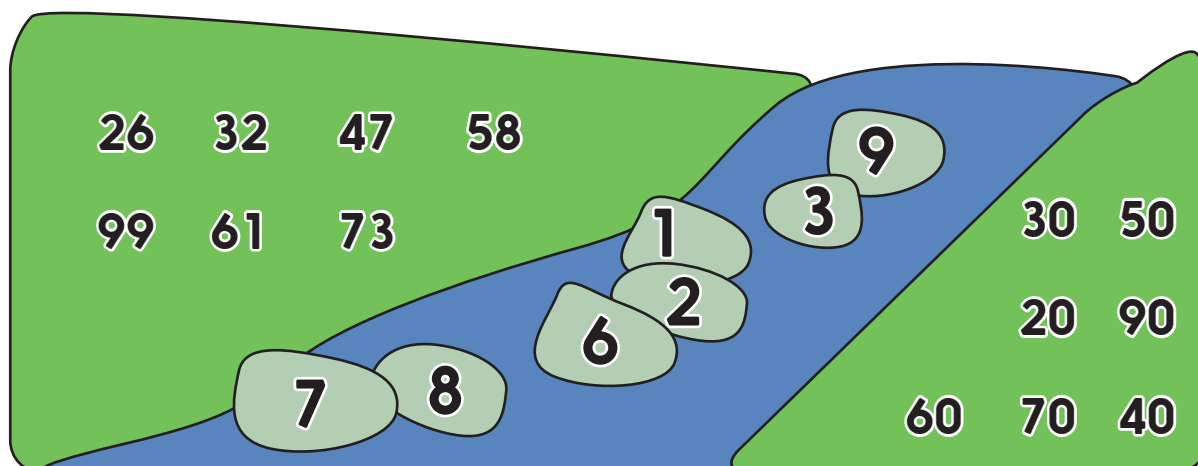
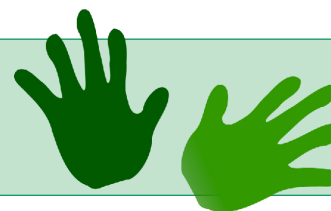
$$52 - 3 = 49$$

A Bit Stuck?

Subtraction stepping-stones

Things you will need:

- 10s and 1s place value cards



What to do:

- Choose a number on the left riverbank, e.g. 26. Make it using the place value cards.
- What number needs to be subtracted to reach a number on the other side?
- Draw a line from the left riverbank to the right riverbank, passing through a stepping stone.

Write a number sentence to show your pathway, e.g. $26 - 6 = 20$

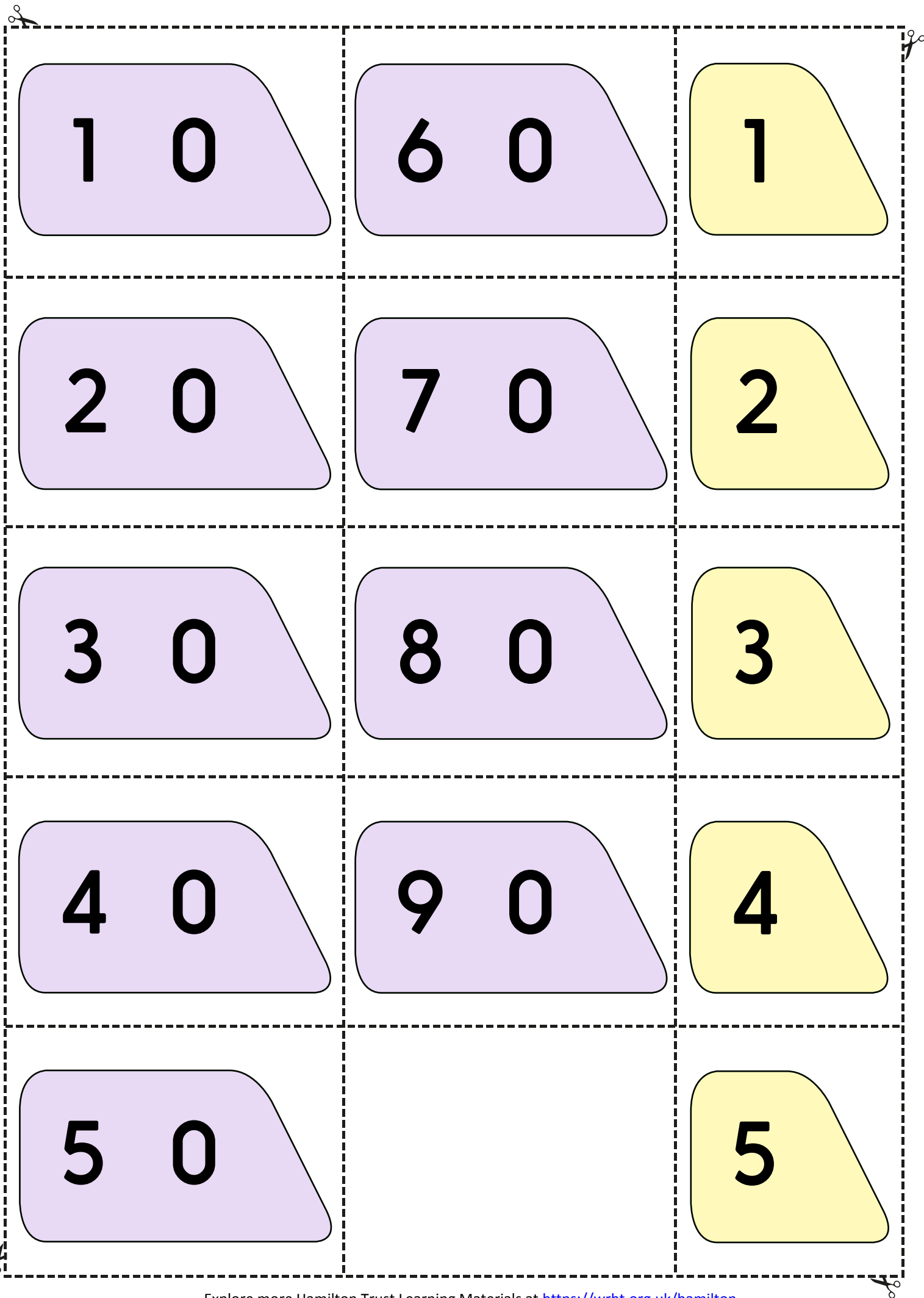
- Repeat for each number on the left riverbank.

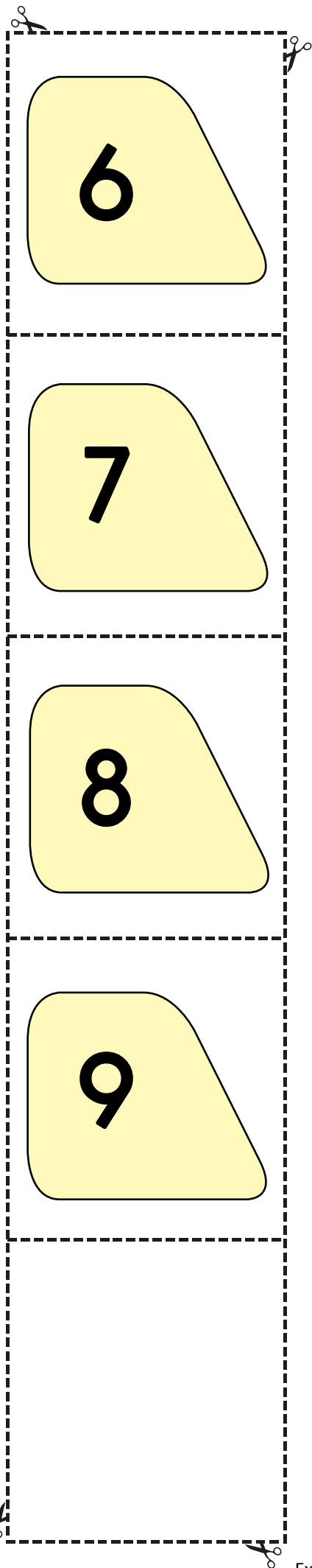
S-t-r-e-t-c-h:

Imagine each of the stepping stones is 1 less.
How will each of your number sentences change?
Imagine each of the stepping stones is 1 more.
How will each of your number sentences change?

Learning outcomes:

- I can subtract numbers, using place value.





Check your understanding: *Questions*

Solve each of these subtractions using a different method.

Say how you did each one.

- $25 - 5 =$
- $14 - 6 =$
- $58 - 4 =$
- $20 - 4 =$

Fold here to hide answers:

Check your understanding: *Answers*

Solve each of these subtractions using a different method.

Say how you did each one.

- $25 - 5 = 20$ – place value subtraction.
- $14 - 6 = 8$, bridging 10, i.e. solving as $14 - 4 - 2$.
- $58 - 4 = 54$, using the number fact for $8 - 4$.
- $20 - 4 = 16$, using a pair to 20.