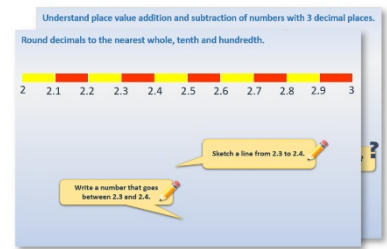


Year 3: Week 2, Day 1

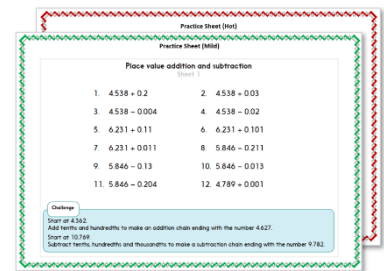
Subtraction by counting up (Frog)

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

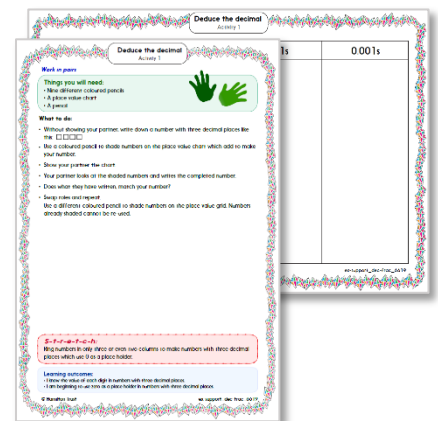
1. Start by reading through the **Learning Reminders**. They come from our *PowerPoint* slides.



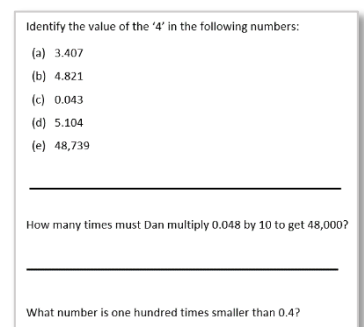
2. Tackle the questions on the **Practice Sheet**. There might be a choice of either **Mild** (easier) or **Hot** (harder)! Check the answers.



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 a 2-digit number from a 3-digit number using counting up (Frog).

Today Frog is going to work out $136 - 87$.

Mark **87** on the left and **136** on the right.
Frog starts on **87**.

Frog first jumps **3** to 90...

... and then **10** from 90 to 100...

... then **36** from 100 to 136.



Add the jumps
 $36 + 10 + 3 = ?$
So $136 - 87 = ?$

Learning Reminders

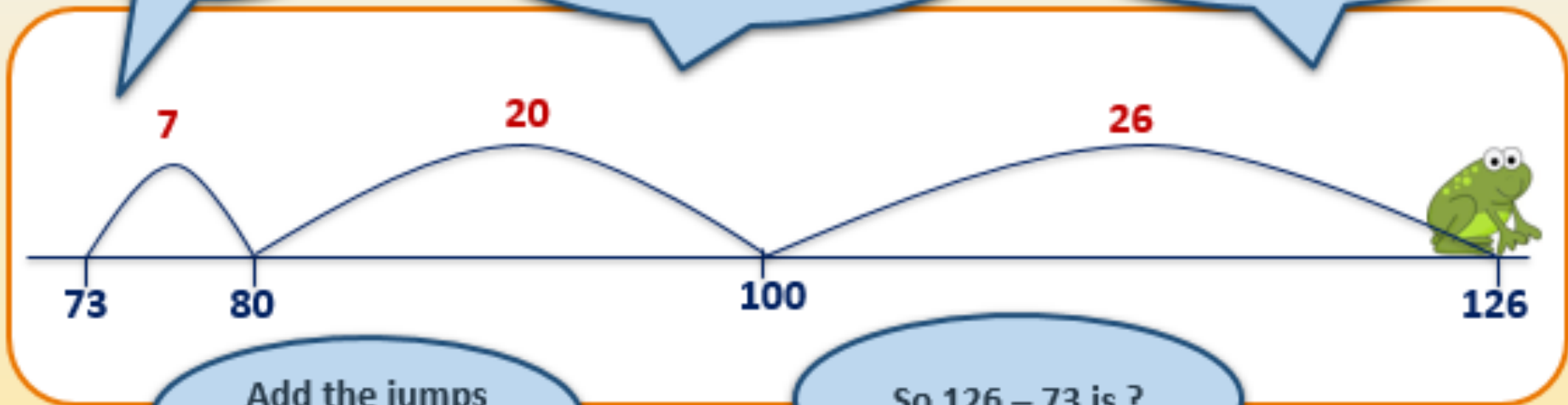
Subtract a 2-digit number from a 3-digit number using counting up (Frog).

Frog is going to work out $126 - 73$.
Where will he start?

Frog first jumps 7 to 80 ...

... and then 20 to 100 ...

... then 26 to 126 .



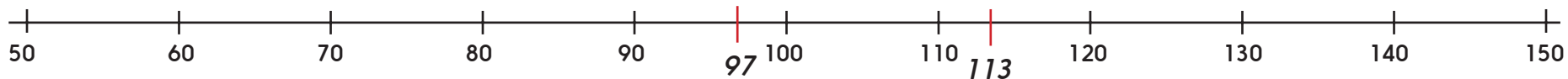
Add the jumps
 $26 + 20 + 7 = ?$

So $126 - 73$ is ?

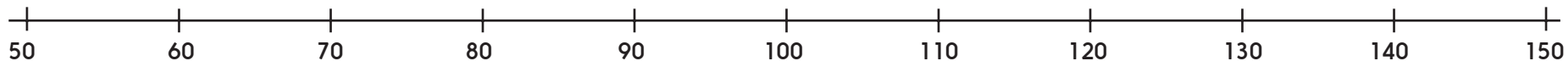
Practice Sheet Mild

Subtraction practice

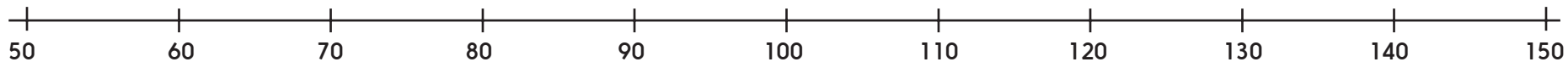
$113 - 97$



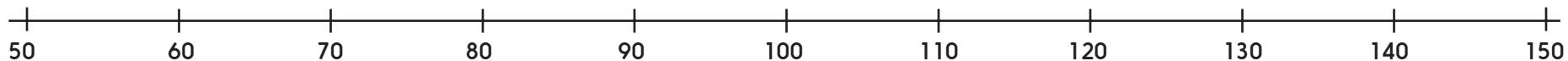
$124 - 87$



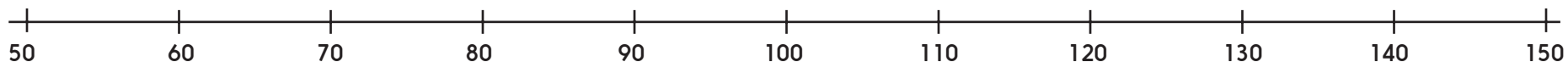
$115 - 76$



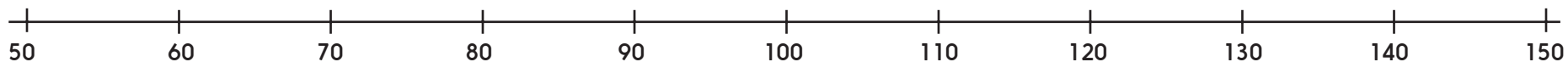
$131 - 85$



$123 - 79$



$134 - 65$



Practice Sheet Hot

Subtraction practice

Use Frog to find the missing numbers.

125	
86	?

132	
78	?

116	
69	?

147	
89	?

143	
76	?

131	
84	?

117	
87	?

123	
74	?

136	
68	?

Practice Sheet Answers

Subtraction practice (Mild)

$113 - 97 = 16$

$124 - 87 = 37$

$115 - 76 = 39$

$131 - 85 = 46$

$123 - 79 = 44$

$134 - 65 = 69$

Subtraction practice (Hot)

125		132		116	
86	39	78	54	69	47

147		143		131	
89	58	76	67	84	47

117		123		136	
87	30	74	49	68	68

A Bit Stuck?

Frog's big, brave jumps

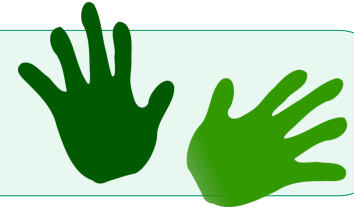
Work in pairs, but write on your own sheet

What to do:

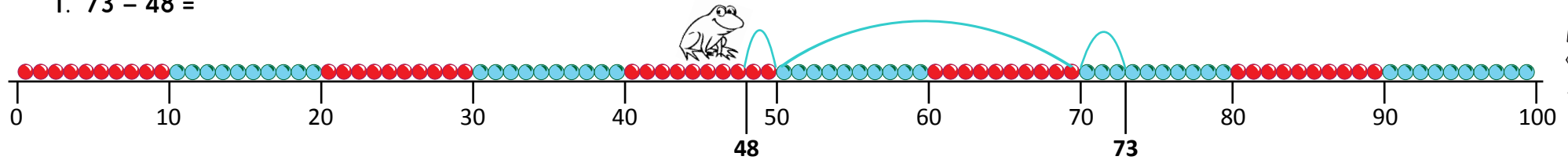
- Mark the 'baby' number on the line.
- Use Frog to hop to the next 10s number.
- Make a big jump to the 10s number just before the bigger number.
- Hop to the bigger number.
- Write the answer to the subtraction.

Things you will need:

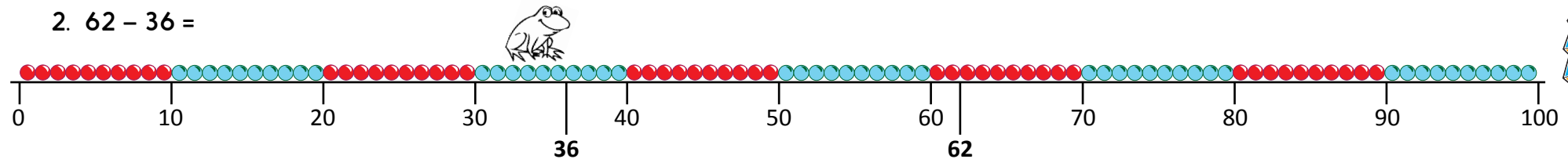
- A pencil
- A sheet of beaded lines or landmarked lines



1. $73 - 48 =$



2. $62 - 36 =$



- Now use Frog to work out at least three of these subtractions on the beaded lines.

$52 - 25$

$83 - 59$

$95 - 68$

$73 - 47$

$41 - 15$

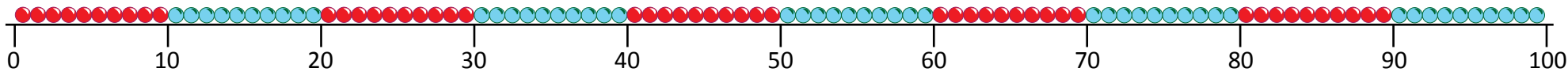
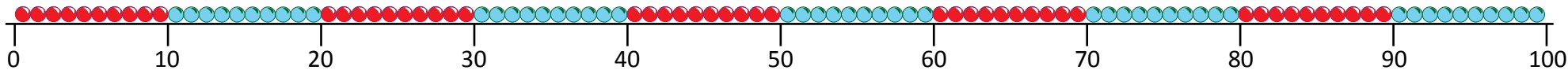
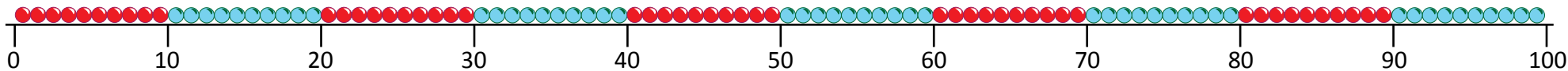
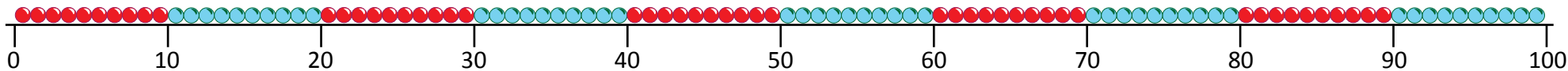
S-t-r-e-t-c-h:

Use landmarked lines instead of beaded lines.

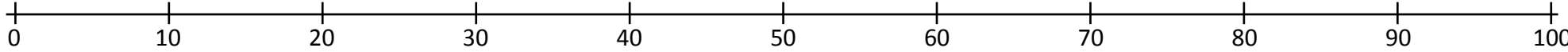
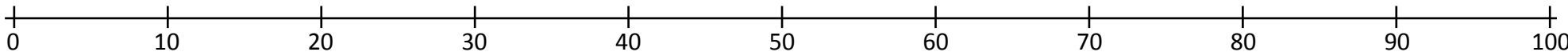
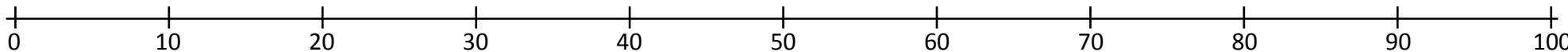
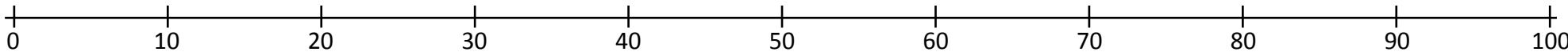
Learning outcomes:

- I can use Frog to subtract pairs of 2-digit numbers with a bigger gap, e.g. $64 - 37$, using a beaded line to help.
- I am beginning to use counting up (Frog) to subtract pairs of 2-digit numbers with a bigger gap, e.g. $64 - 37$, using a landmarked line to help.

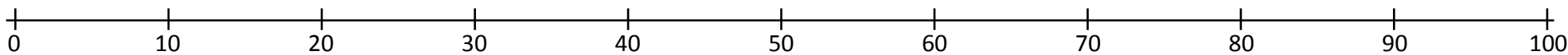
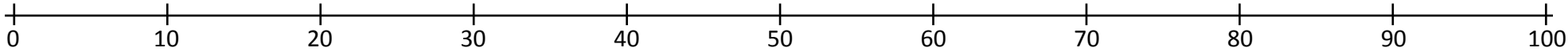
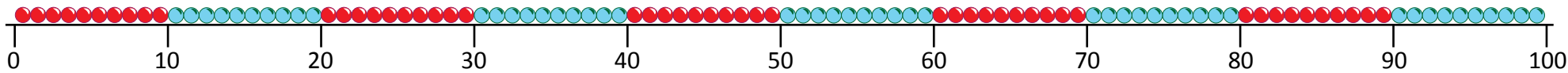
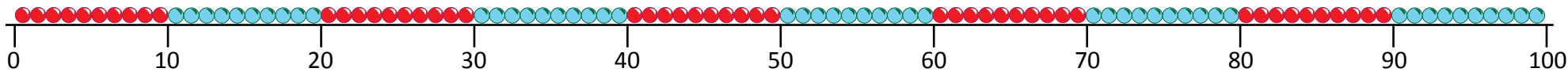
Frog's big, brave jumps



Frog's big, brave jumps



Frog's big, brave jumps



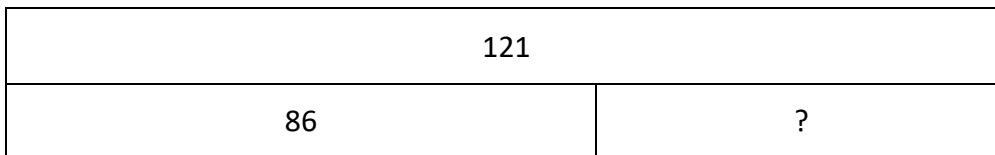
Check your understanding: Questions

Write the missing numbers:

- $123 - \square = 75$
- $106 - \square = 78$
- $111 - \square = 57$
- $118 - \square = 85$
- $84 + \square = 123$
- $98 + \square = 102$

Write two numbers either side of 100 which have a difference of 26.

Complete this bar diagram:



Fold here to hide answers:

Check your understanding: Answers

Write the missing numbers:

- $123 - 48 = 75$
- $106 - 28 = 78$
- $111 - 54 = 57$
- $118 - 33 = 85$
- $84 + 39 = 123$
- $98 + 4 = 102$

Count up using Frog, beginning with smaller number and hopping towards the larger one. Check children make sensible choices of hop, e.g. to the next 10 or 100. Other errors may occur when adding the hops.

Write two numbers either side of 100 which have a difference of 26.

125 and 99, 124 and 98..... 101 and 75. Have children checked using Frog?

Complete this bar diagram:

