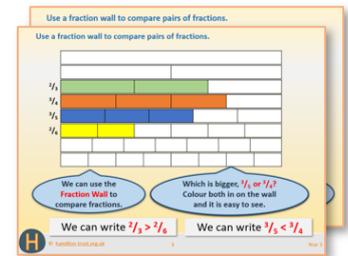


# Week 10, Day 1

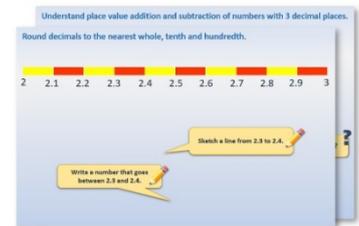
## Subtract 3-digit numbers (counting up)

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

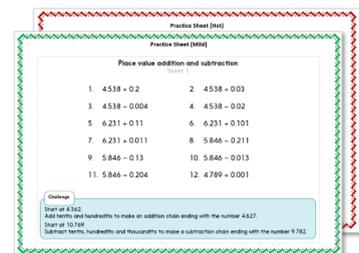
1. If possible, watch the **PowerPoint presentation** with a teacher or another grown-up.



OR start by carefully reading through the **Learning Reminders**.



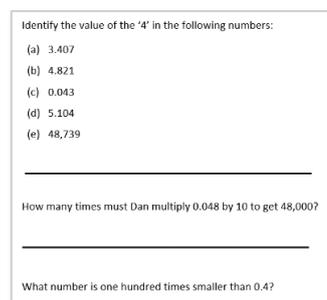
2. Tackle the questions on the **Practice Sheet**. There might be a choice of either **Mild** (easier) or **Hot** (harder)! Check the answers.



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

Find a difference between pairs of numbers within the same century.

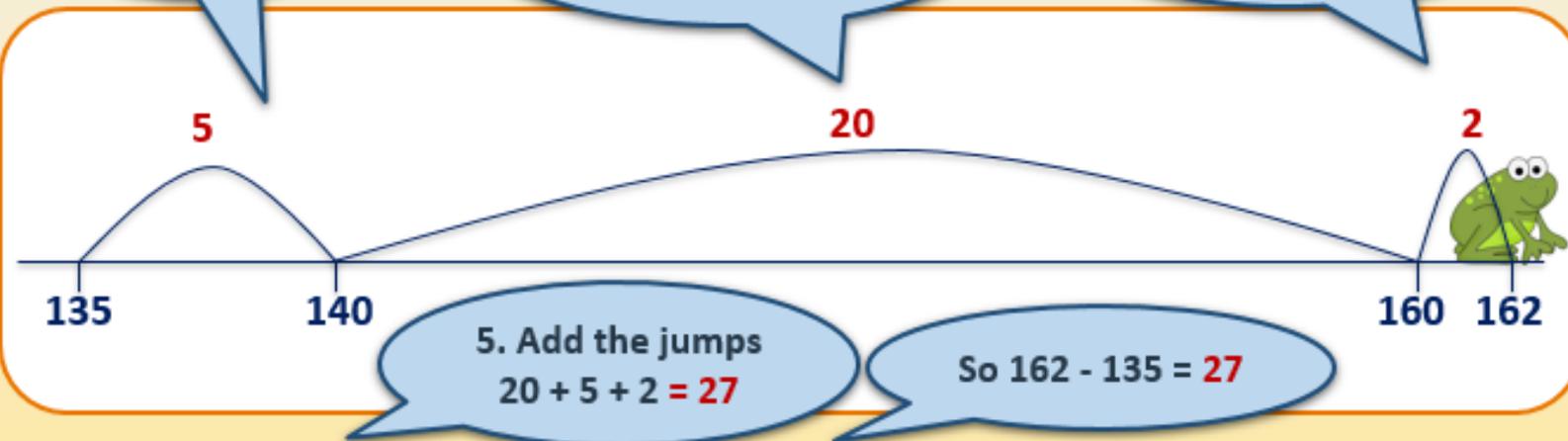
Today Frog is going to find the difference between two 3-digit numbers. Let's try  $162 - 135$ .

1. Mark 135 on the left and 162 on the right.

2. Frog first jumps **5** to 140...

3. Then **20** from 140 to 160...

4. Then **2** from 160 to 162.



## Learning Reminders

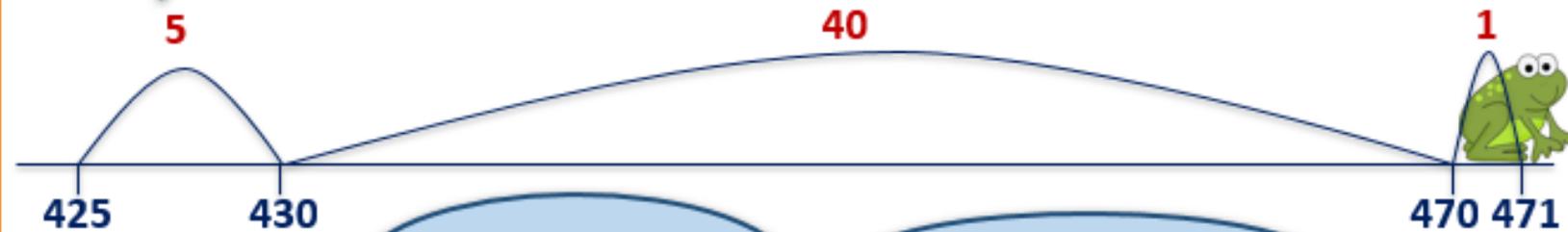
Find a difference between pairs of numbers within the same century.

Now let's try  
 $471 - 425$ .

Frog starts at  
425 and jumps  
**5** to 430...

... and then **40** from  
430 to 470...

... then **1** from 470  
to 471.



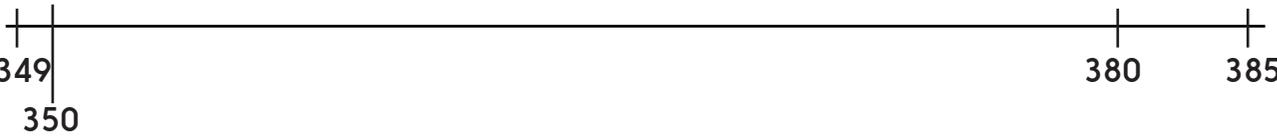
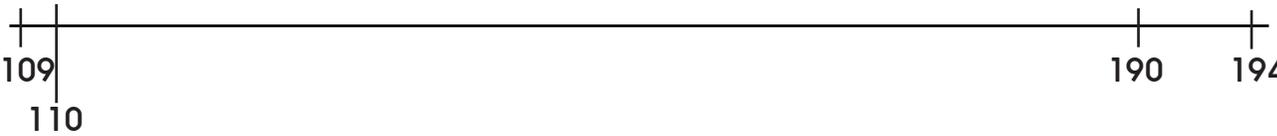
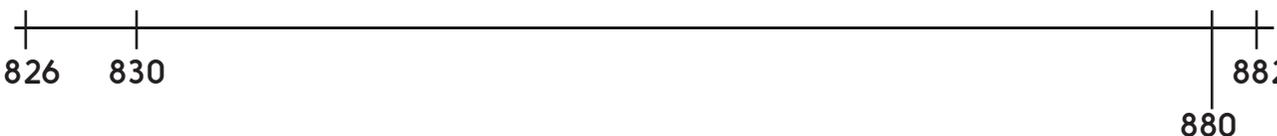
Add the jumps  
 $40 + 5 + 1 = 46$

$$471 - 425 = 46$$



## Practice Sheet Mild

### Finding a difference using Frog

- a.  $270 - 225 =$   
- b.  $385 - 349 =$   
- c.  $585 - 538 =$   
- d.  $783 - 715 =$   
- e.  $194 - 109 =$   
- f.  $882 - 826 =$   



## Practice Sheet Hot

### Find a difference using Frog

a.  $382 - 316 =$   

b.  $385 - 349 =$

e.  $194 - 109 =$

c.  $585 - 538 =$

f.  $882 - 826 =$

d.  $783 - 715 =$

g.  $195 - 188 =$

## Practice Sheet Answers

### Practice Sheet (Mild)

- a.  $270 - 225 = 45$
- b.  $385 - 349 = 36$
- c.  $585 - 538 = 47$
- d.  $783 - 715 = 68$
- e.  $194 - 109 = 85$
- f.  $882 - 826 = 56$

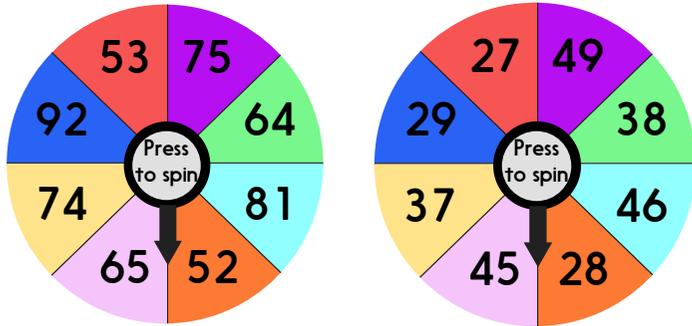
### Practice Sheet (Hot)

- a.  $382 - 316 = 66$
- b.  $385 - 349 = 36$
- c.  $585 - 538 = 47$
- d.  $783 - 715 = 68$
- e.  $194 - 109 = 85$
- f.  $882 - 826 = 56$
- g.  $195 - 188 = 7$

## A Bit Stuck? Frog goes freestyle

Work in pairs

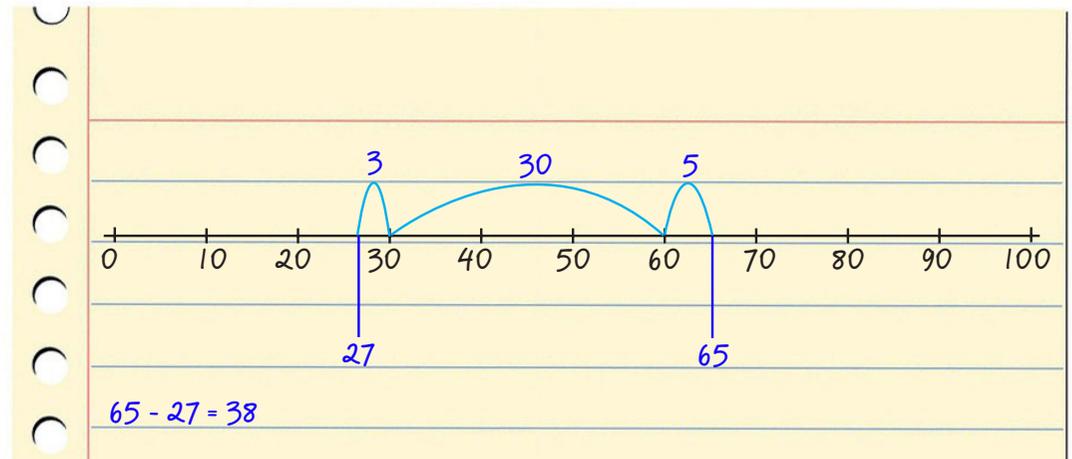
What to do:



- Choose a number from each spinner.
- Use Frog to find the difference between the two numbers.
- Draw Frog's hops on a landmarked line.
- Write the complete subtraction.

Things you will need:

- A pencil
- Landmarked lines



- Your challenge is to find at least two subtractions with answers of less than 20 and at least two subtractions with answers of more than 20.

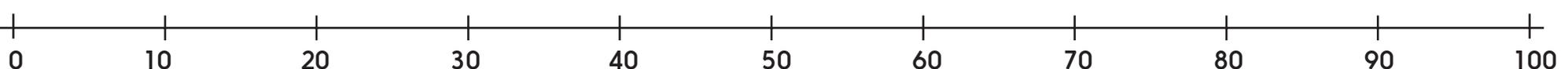
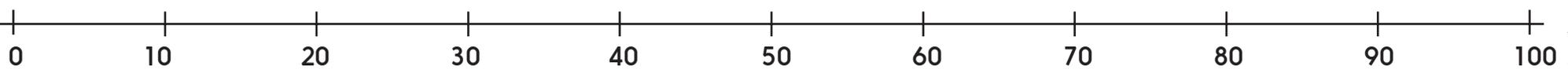
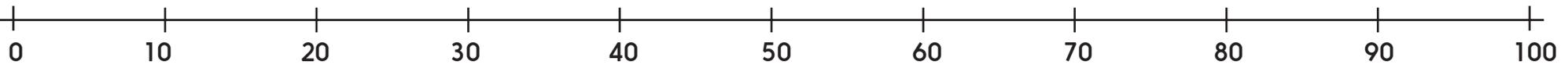
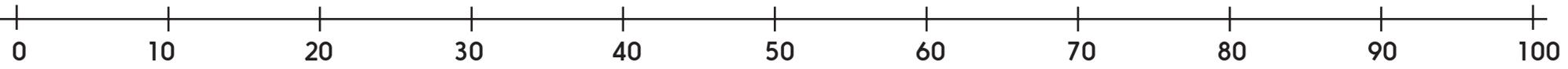
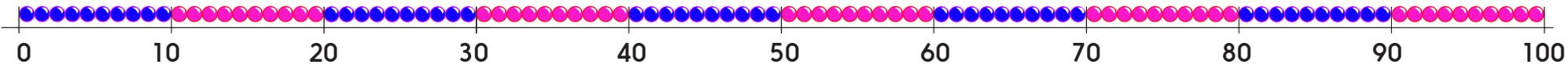
**S-t-r-e-t-c-h:**

Draw your own number line jottings rather than use the landmarked lines.

Learning outcomes:

- I can use counting up (Frog) to subtract pairs of 2-digit numbers with a bigger gap, e.g.  $84 - 37$ , using a landmarked line to help.
- I am beginning to draw my own number line jottings to subtract.

# A Bit Stuck? Frog goes freestyle



## Check your understanding: Questions

Use 'Frog' to help you calculate the missing numbers:

- $571 = 518 + \square$
- $127 + \square = 163$
- $836 = 862 - \square$
- $375 - \square = 328$

Complete these bar model diagrams:

283	
227	?

585	
518	?

*Fold here to hide answers:*

## Check your understanding: Answers

$571 = 518 + 53$

$127 + 36 = 163$

$836 = 862 - 26$

$375 - 47 = 328$

Errors may arise from:

- not putting the smaller number at the left of the number line jotting, especially when the larger number is given first in the question;
- incorrect or inefficient hops and jumps;
- adding the jumps incorrectly;
- missing a hop when there should be several.

Complete these bar model diagrams:

283	
227	56

585	
518	67