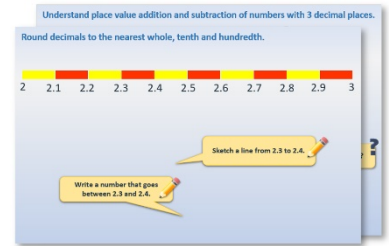


Week 7, Day 3

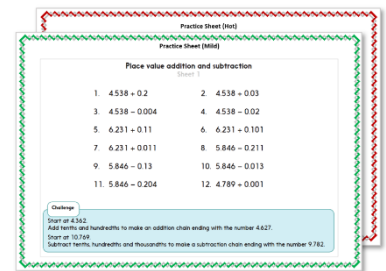
Choose how to subtract

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

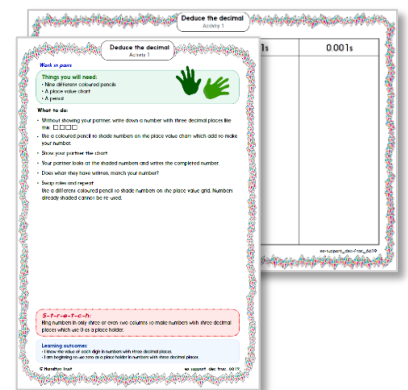
1. Start by reading through the **Learning Reminders**. They come from our *PowerPoint* slides.



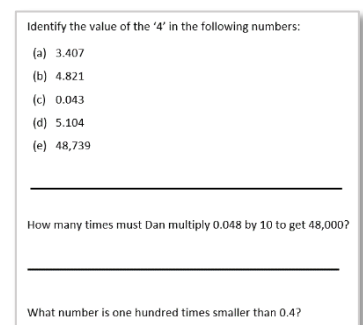
2. Tackle the questions on the **Practice Sheet**. There might be a choice of either **Mild** (easier) or **Hot** (harder)! Check the answers.



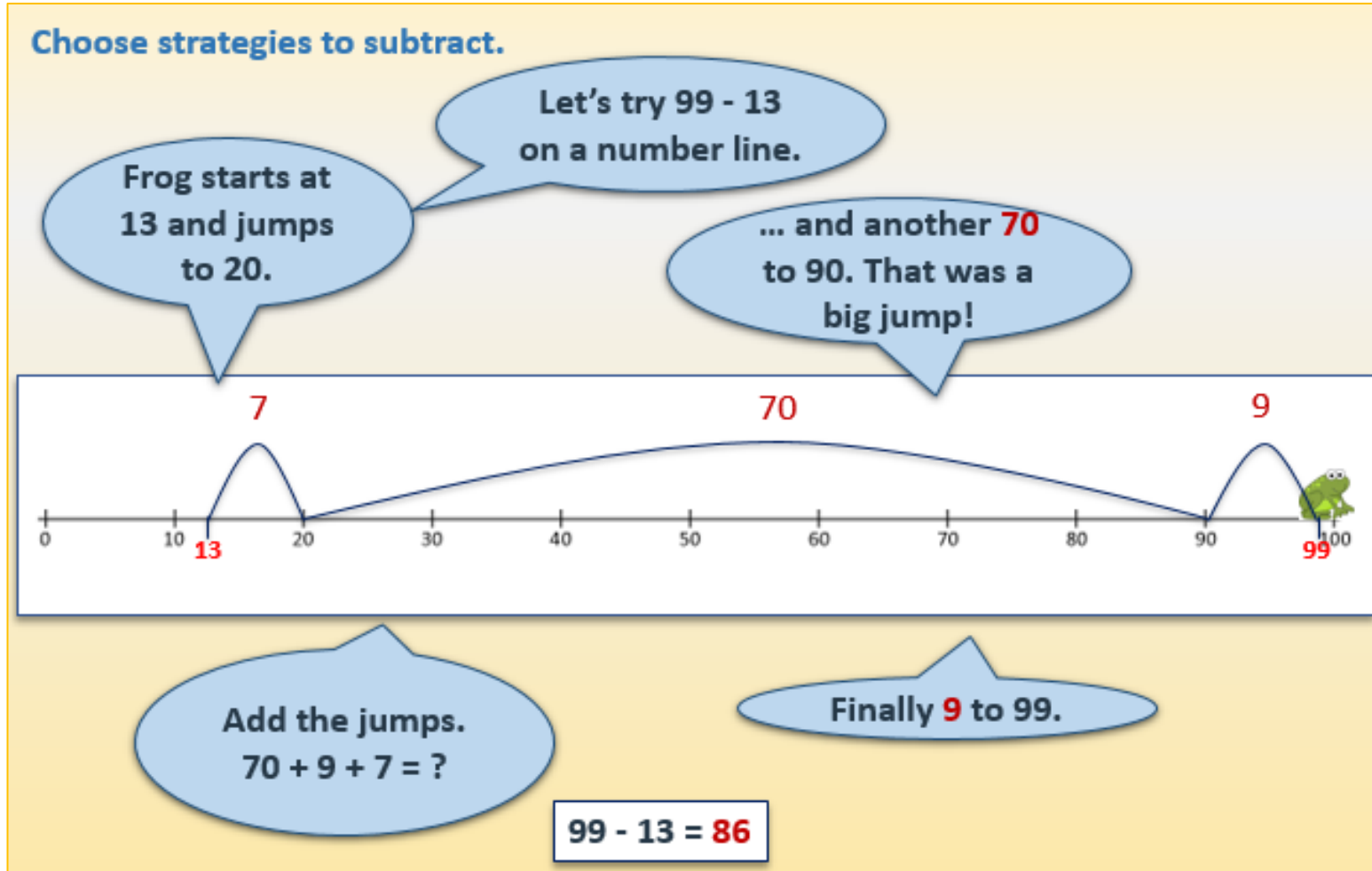
3. Finding it tricky? That's OK... have a go with a grown-up at **A Bit Stuck?**



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



Learning Reminders



Learning Reminders

Choose strategies to subtract.

Sometimes it is easier to count back using place value and number facts.

$$99 - 10 = ?$$


A

Let's see for $99 - 13$.

$$89 - 3 = ?$$

B

Was that quicker than using Frog?



What would be the best way to find $83 - 58$?

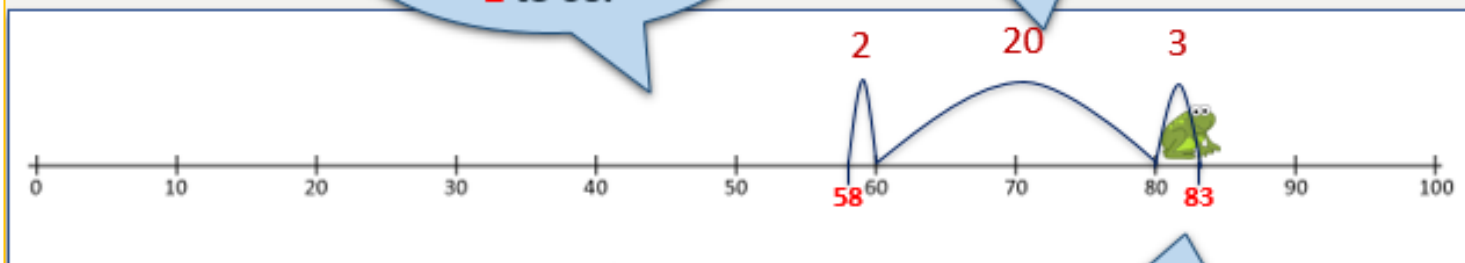
58 would be a lot of counting back... let's try it with Frog..

Learning Reminders

Choose strategies to subtract.

Frog starts at 58 and jumps **2** to 60.

... and another **20** to 80....



Add the jumps.
 $20 + 3 + 2 = ?$

$$83 - 58 = 25$$

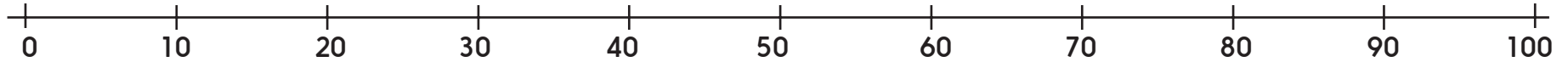
Finally **3** to 83.

That was a good one for Frog to do!

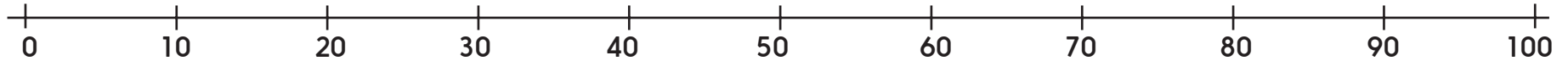
Practice Sheet Mild

Subtraction practice

Use Frog to work out $64 - 58$.



Use counting back to work out $64 - 9$.



Choose two subtractions to work out using Frog and two to work out using counting back

$42 - 39$

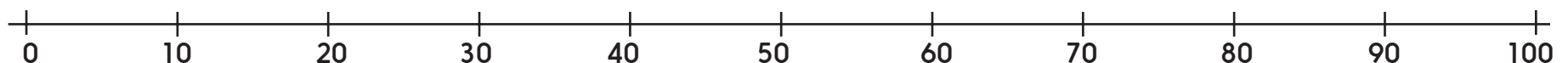
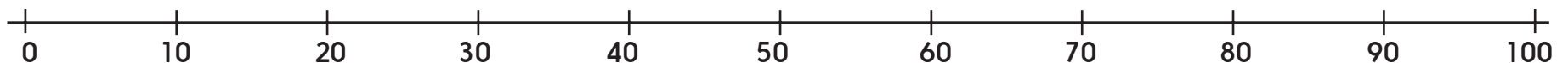
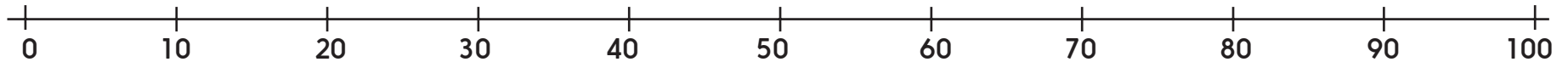
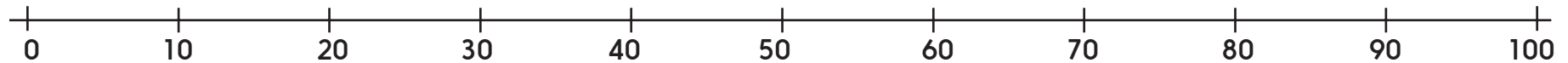
$42 - 5$

$83 - 78$

$83 - 11$

$54 - 20$

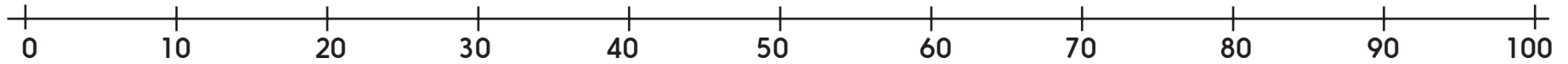
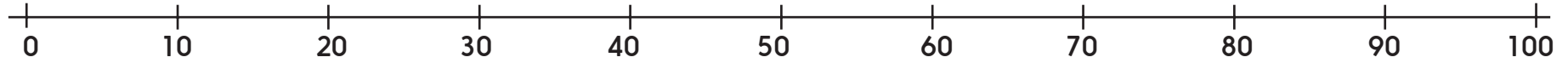
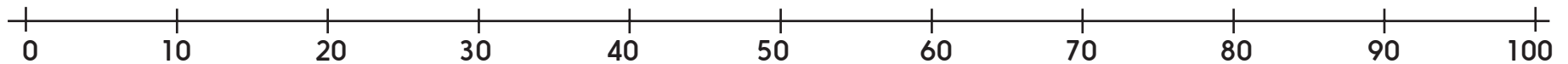
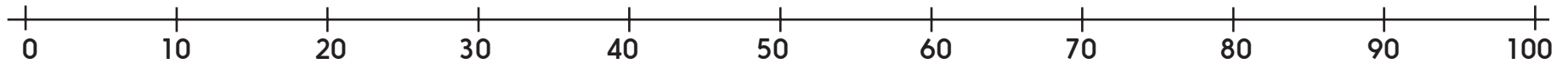
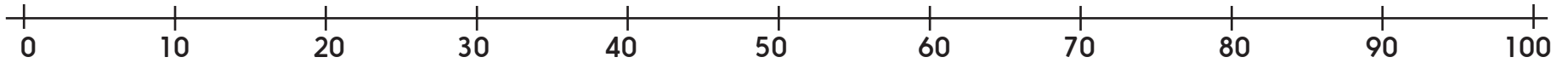
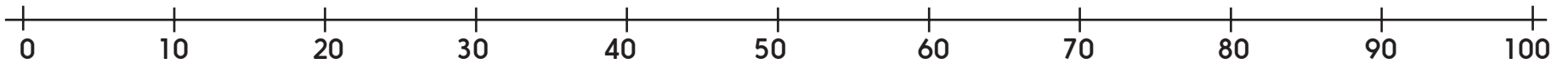
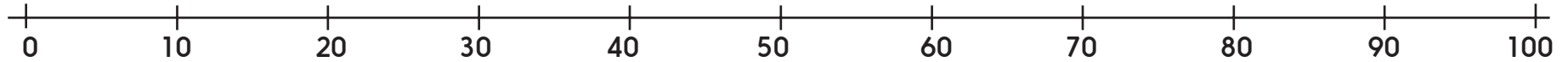
$54 - 47$



Practice Sheet Mild

Subtraction practice

Use these number lines to help you work out the answers to Sheet 1.



Practice Sheet Hot

Subtraction practice

Which strategy will you use? **Frog** or **Counting Back**?

Write these two headings in your book, and write the subtractions under each. Work out each answer.

$58 - 11 =$

$88 - 75 =$

$77 - 9 =$

$45 - 13 =$

$34 - 21 =$

$95 - 33 =$

$98 - 49 =$

$98 - 14 =$

$74 - 37 =$

When is it more efficient to use Frog?

Challenge

Write some more examples in each column in your book.

Practice Sheet Answers

Subtraction practice (Mild)

$$64 - 58 = 6$$

$$64 - 9 = 55$$

$$42 - 39 = 3$$

$$42 - 5 = 37$$

$$83 - 78 = 5$$

$$83 - 11 = 72$$

$$54 - 20 = 34$$

$$54 - 47 = 7$$

Subtraction practice (Hot)

$$58 - 11 = 47$$

$$88 - 75 = 13$$

$$77 - 9 = 68$$

$$45 - 13 = 32$$

$$34 - 21 = 13$$

$$95 - 33 = 62$$

$$98 - 49 = 49$$

$$98 - 14 = 84$$

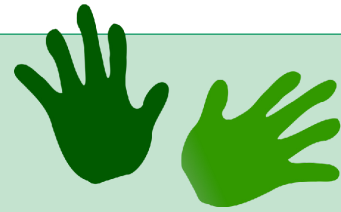
$$74 - 37 = 37$$

Allow children to explain their preference for counting back or Frog. They should recognise that counting back is more straightforward when the digits in the larger number are both greater than those in the smaller number, e.g. $98 - 14$.

A Bit Stuck? Frog or not?

Things you will need:

- Beaded lines
- 1-100 grid
- Sorting sheet
- Glue stick and scissors



What to do:

- Cut out the subtraction cards. Spread them out.
- Choose one. Look at the pair of numbers.
Think... Would it be more efficient to solve this subtraction using Frog or not.
If you are not sure, try it both ways!
- Calculate the answer. If using Frog, you can use the beaded lines to help.
If you're not using Frog you might like to use the 1-100 grid to help.
- What do you think about your choice of method? Stick the card on the sorting sheet according to how you found it 'best' to work out the answer.
- Repeat for each card.

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

Look at your sorting sheet. Do the subtractions in the Frog 'set' have anything in common? What about those in the Not Frog set?

**A Bit Stuck?
Frog or not?**

45 - 10

45 - 38

84 - 11

65 - 9

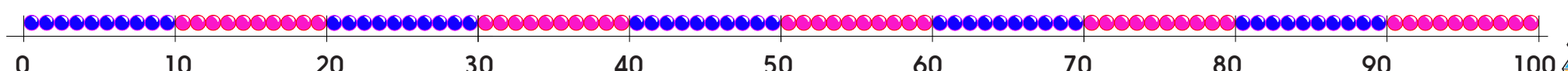
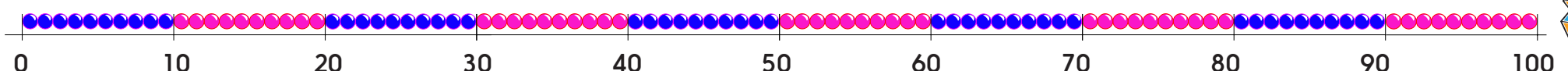
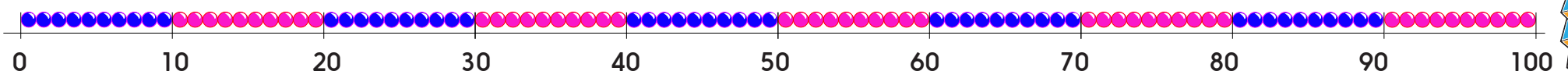
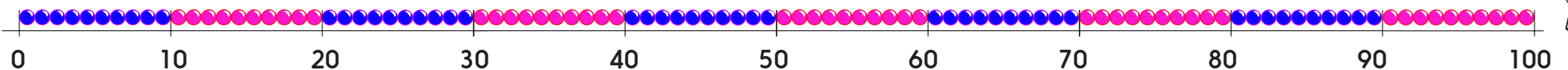
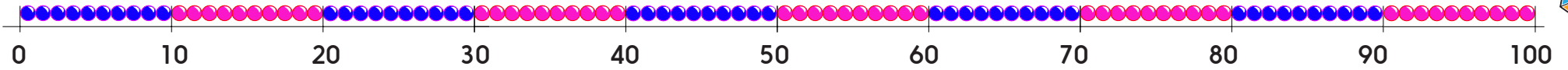
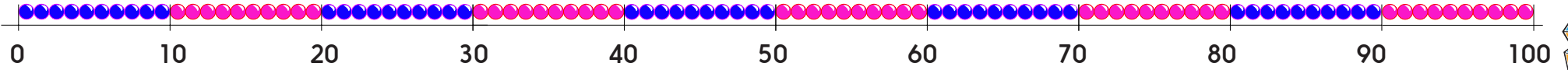
92 - 85

72 - 59

95 - 20

50 - 38

A Bit Stuck? Frog or not?





**A Bit Stuck?
Frog or not?**

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100



**A Bit Stuck?
Frog or not?**

Count up: Frog	Not Frog

Check your understanding: Questions

Frog, Counting back (CB) and subtracting multiples of 10 or near multiples (NM) are 3 different ways of subtracting.

Write CB, NM or Frog beside each subtraction below, according to how you'd choose to solve it.

(i) $64 - 56$

(iv) $86 - 5$

(ii) $53 - 9$

(v) $37 - 19$

(iii) $72 - 57$

(vi) $62 - 28$

Write the missing numbers

(a) $\square + 30 = 55$

(b) $100 - 79 = \square$

(c) $\square + 19 = 65$

(d) $73 - \square = 58$

(e) $50 - \square = 43$

(f) $\square + 47 = 62$

Padma spends 39p on a drink.
She uses a 50p coin to pay.
How much change does she get?

Sam has 76 cards.
Tom has 92.
How many more does Tom have than Sam?

Answers on the next page

Check your understanding:

Answers

Frog, Counting back (CB) and subtracting multiples of 10 or near multiples (NM) are 3 different ways of subtracting.

Write CB, NM or Frog beside each subtraction below.

- | | | | | | |
|-------|----------------|------|------|----------------|------|
| (i) | $64 - 56 = 8$ | Frog | (iv) | $86 - 5 = 81$ | CB |
| (ii) | $53 - 9 = 44$ | NM | (v) | $37 - 19 = 18$ | NM |
| (iii) | $72 - 57 = 15$ | Frog | (vi) | $62 - 28 = 34$ | Frog |
-

Write the missing numbers

- (a) $\boxed{25} + 30 = 55$
(b) $100 - 79 = \boxed{21}$
(c) $\boxed{46} + 19 = 65$
(d) $73 - \boxed{15} = 58$
(e) $50 - \boxed{7} = 43$
(f) $\boxed{15} + 47 = 62$

Errors may be due to children choosing less efficient strategies, mixing up addition or subtraction or basic arithmetic. Ask children to talk through how they solved questions to find out.

Padma spends 39p on a drink. She uses a 50p coin to pay.
How much change does she get? **11p.**

Sam has 76 cards. Tom has 92.
How many more does Tom have than Sam? **16 more.**