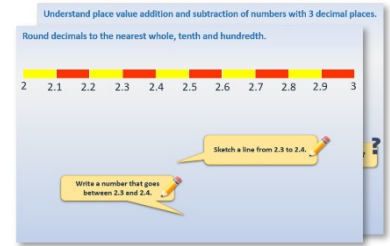


Year 2: Week 1, Day 1

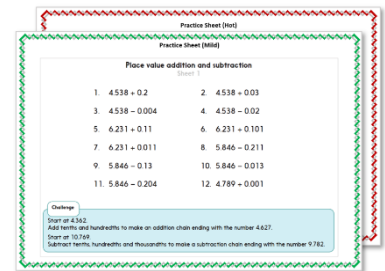
Comparing numbers

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

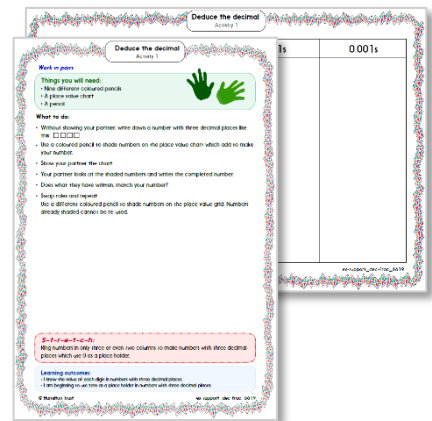
- Start by reading through the **Learning Reminders**. They come from our *PowerPoint* slides.



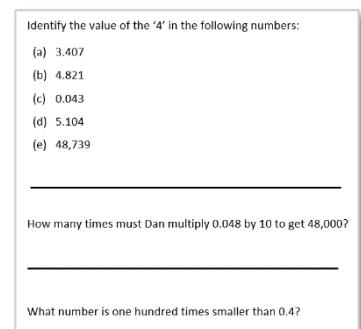
- Tackle the questions on the **Practice Sheet**. There might be a choice of either **Mild** (easier) or **Hot** (harder)! Check the answers.



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

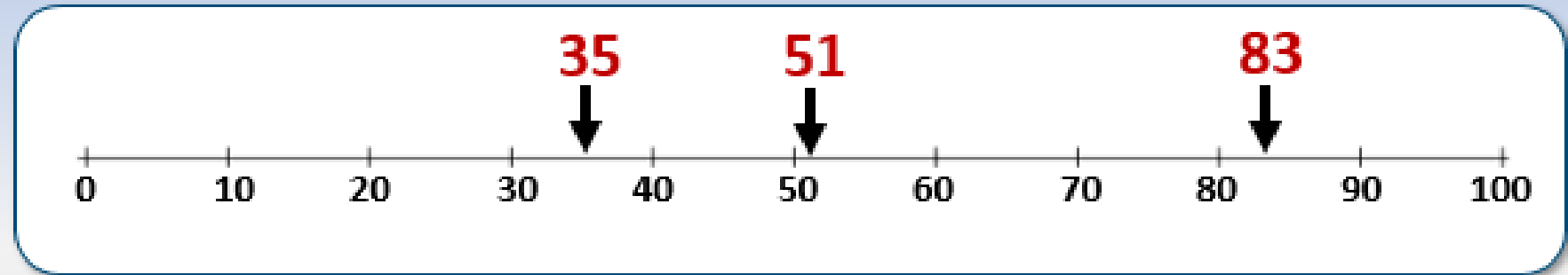


- Have I mastered the topic? A few questions to **Check your understanding**. Fold the page to hide the answers!



Learning Reminders

Place numbers on the number line.



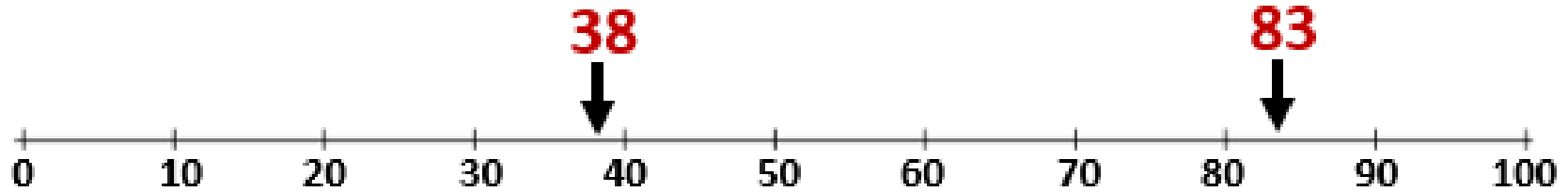
Where does 35 go on this line?
Imagine ten beads between 30 and 40.

Where is 51 on this line?
Is it closer to 50 or 60?

Where is 83 on this line?
Nearer 80 or 90?
Closer to 80 or 85, which is halfway between 80 and 90?

Learning Reminders

Compare numbers using the symbols $<$ and $>$.



What 2-digit numbers
can we make with
these cards?



Which number
is bigger?

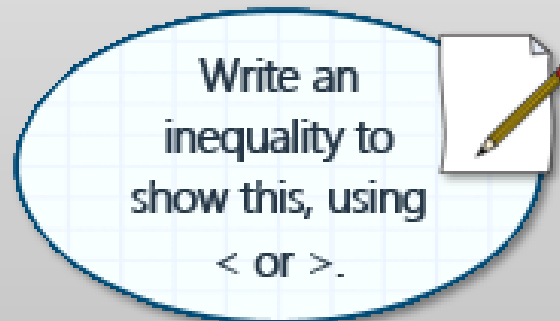
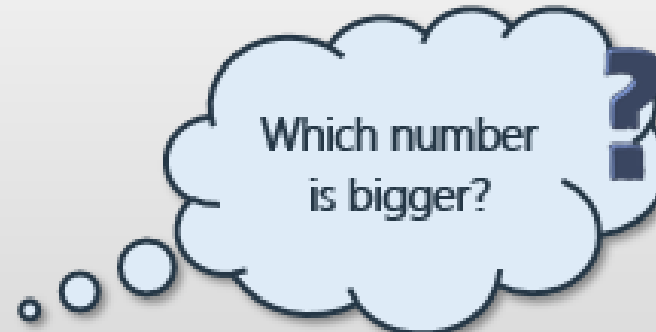
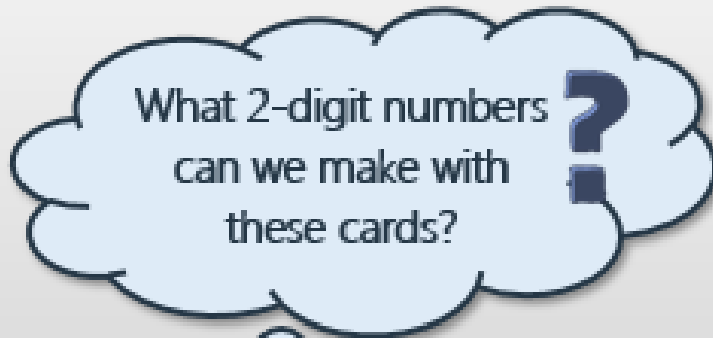
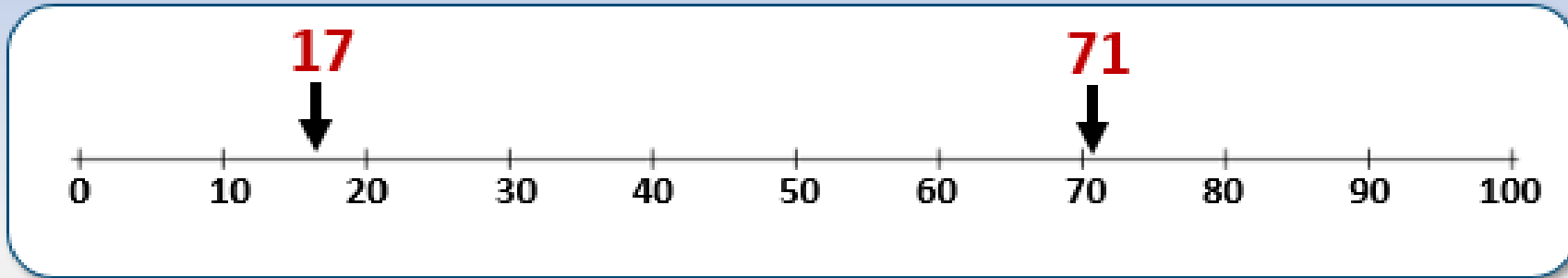
Write an
inequality to
show this, using
 $<$ or $>$.

$$38 < 83$$

$$83 > 38$$

Learning Reminders

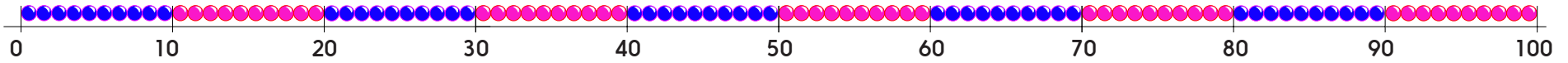
Compare numbers using the symbols $<$ and $>$.



$$17 < 71$$
$$71 > 17$$

Practice Sheet Mild

Finding inequalities



Mark each number on your beaded line. Suggest a number greater than each number and a number that it is less.

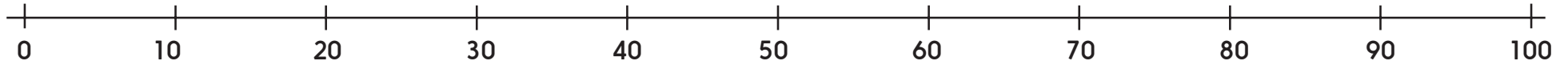
Number to mark on beaded line	My number is greater than >	My number is less than <
22	$25 > 22$	$19 < 22$
47		
35		
51		
26		
39		
14		
	<input type="text"/> > 93	<input type="text"/> < 100
	<input type="text"/> > 71	<input type="text"/> < 72

Challenge

Suggest two numbers for the last two rows.

Practice Sheet Hot

Finding inequalities



Mark each number on the landmarked line. Suggest a number greater than each number and a number that is less.

Suggest some more of your own for the last four rows.

Challenge

Try to create a loop using alternate $<$ and $>$ signs so that the start and finish numbers are the same, e.g.

$$23 < 32 > 21 < 23$$

Number to mark on beaded line	My number is greater than $>$	My number is less than $<$	Number lies between these multiples of 10:
62	$65 > 62$	$52 < 62$	60 and 70
57			
14			
81			
45			
26			
73			
39			
98			
<input type="text"/>			
	<input type="text"/> $>$ 76	<input type="text"/> $<$ 83	
<input type="text"/>			
			110 and 120

Practice Sheets Answers

Finding inequalities (mild)

There are many possible answers, e.g. numbers bigger than 48 are all >47 and numbers 46 and below are <47 in row 2 of the table.

Challenge

The number given should be in the range 94-99 inclusive.
The number should be 72.

Finding inequalities (hot)

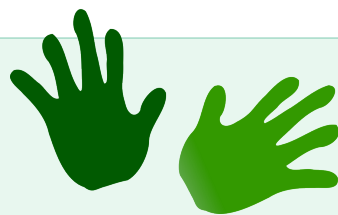
There are many possible answers, e.g. numbers bigger than 58 are all >57 and numbers 56 and below are <57 , and 57 lies between 50 and 60 in row 2 of the table.

A Bit Stuck? Tag, you're it!

Work in pairs

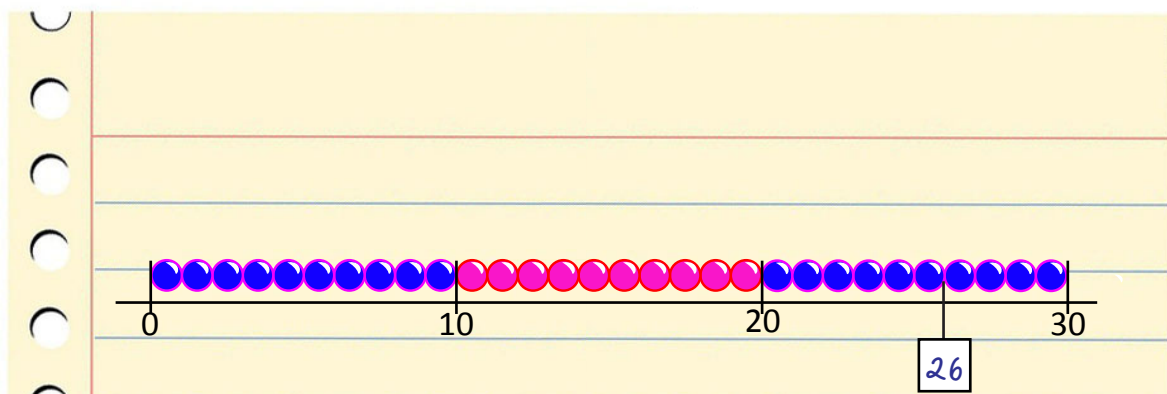
Things you will need:

- A set of 10s and 1s place value cards
- A 0 to 100 beaded line
- A pencil



What to do:

- Shuffle the 10s cards. Place on the table face down.
- Shuffle the 1s cards. Place face down.
- Take a card from each pile. Put the two cards together to make a 2-digit number.
- Draw a tag to show this number on your beaded line.
- Repeat. How many tags can you draw? You score 10 points for each correct tag!



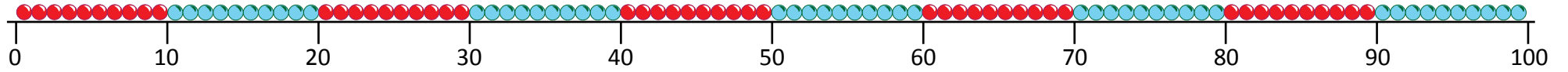
S-t-r-e-t-c-h:

Use the sheet with the beaded line and the landmarked line (the line where the beads have fallen off). Draw tags to show 25, 42 and 59 on the beaded line. Fold the paper so that the beaded line is hidden. Now draw tags to show 25, 42 and 59 on the landmarked line. Can you imagine where the beads should be? Open up your paper so that you can check against the beaded line.

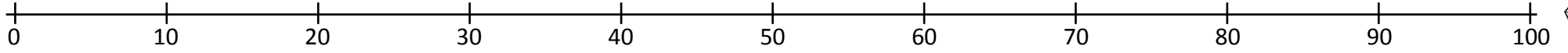
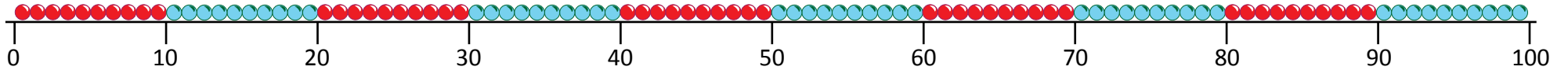
Learning outcomes:

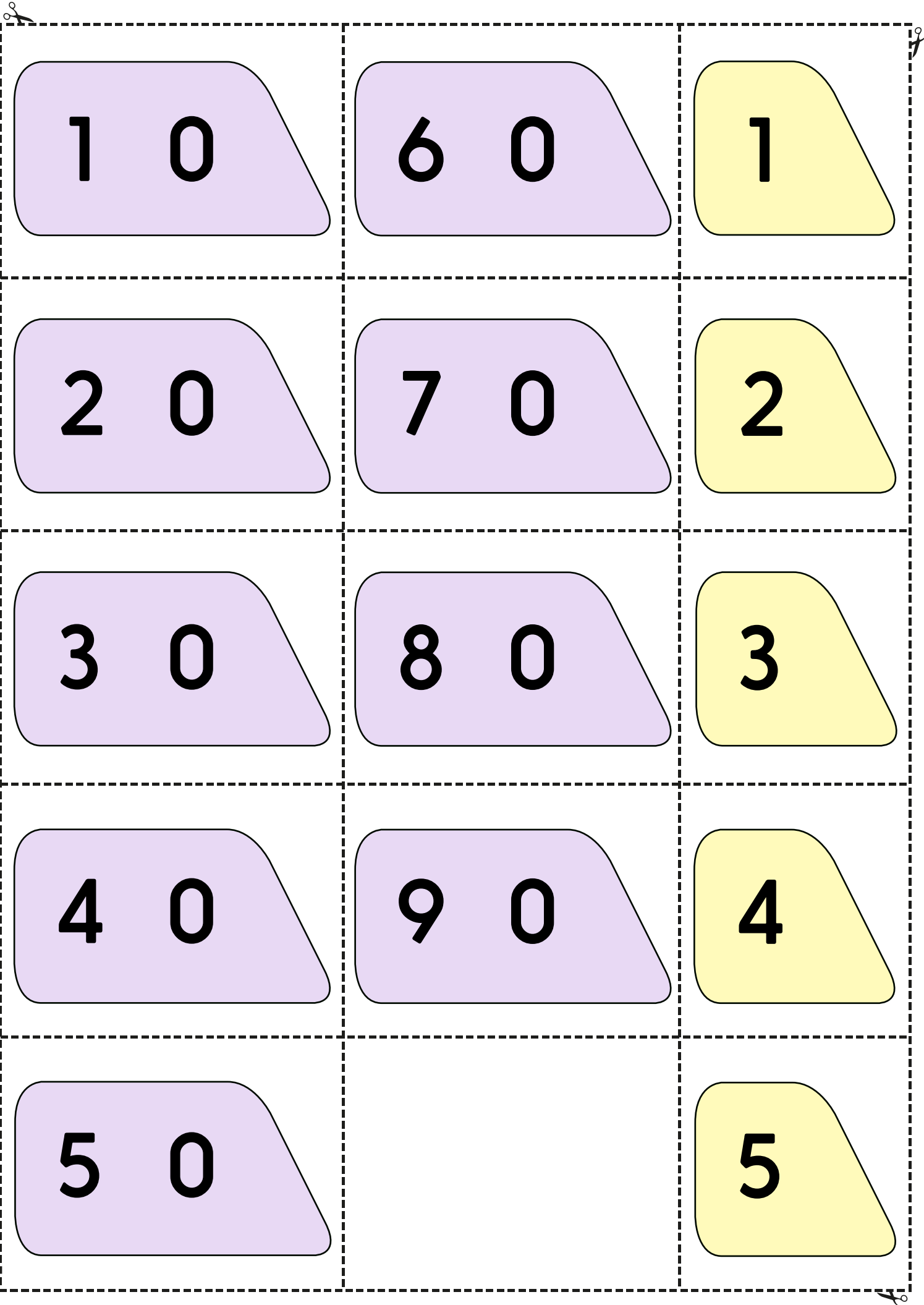
- I can draw tags to show 2-digit numbers on a 0 to 100 beaded line.
- I am beginning to draw tags to show 2-digit numbers on a 0 to 100 landmarked line.

A Bit Stuck?
Tag, you're it!



A Bit Stuck?
Tag, you're it!





1 0

6 0

1

2 0

7 0

2

3 0

8 0

3

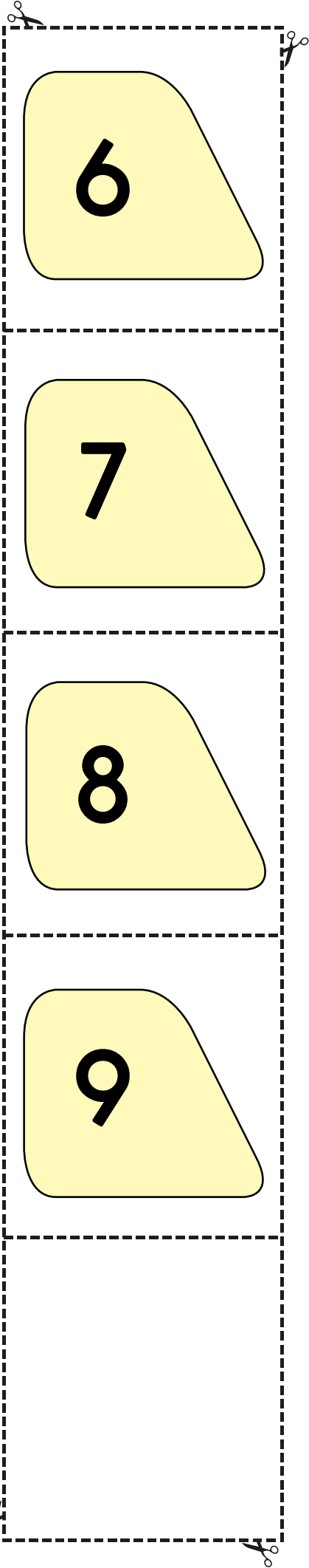
4 0

9 0

4

5 0

5



6

7

8

9

Check your understanding

Questions

Draw a line. Mark the ends 0 and 100. Draw marks for 59, 71, 19 and 91.

Write numbers to make these sentences true.

$$\square < 35$$
$$73 < \square$$
$$13 < \square < 17$$

How many numbers are less than 40 and more than 31?

Fold here to hide answers:

Check your understanding

Answers

Draw a line. Mark the ends 0 and 100. Draw marks for 59, 71, 19 and 91.

Check order (19, 59, 71 and 91) and accuracy – 91 should be close to 100, 59 just over half way, 19 a small distance from 0.

Write numbers to make these sentences true.

$$\square < 35 \quad \text{Any number less than 35.}$$
$$73 < \square \quad \text{Any number greater than 73.}$$
$$13 < \square < 17 \quad 14, 15 \text{ or } 16.$$

How many numbers are less than 40 and more than 31?

8 numbers – 32, 33, 34, 35, 36, 37, 38 and 39.