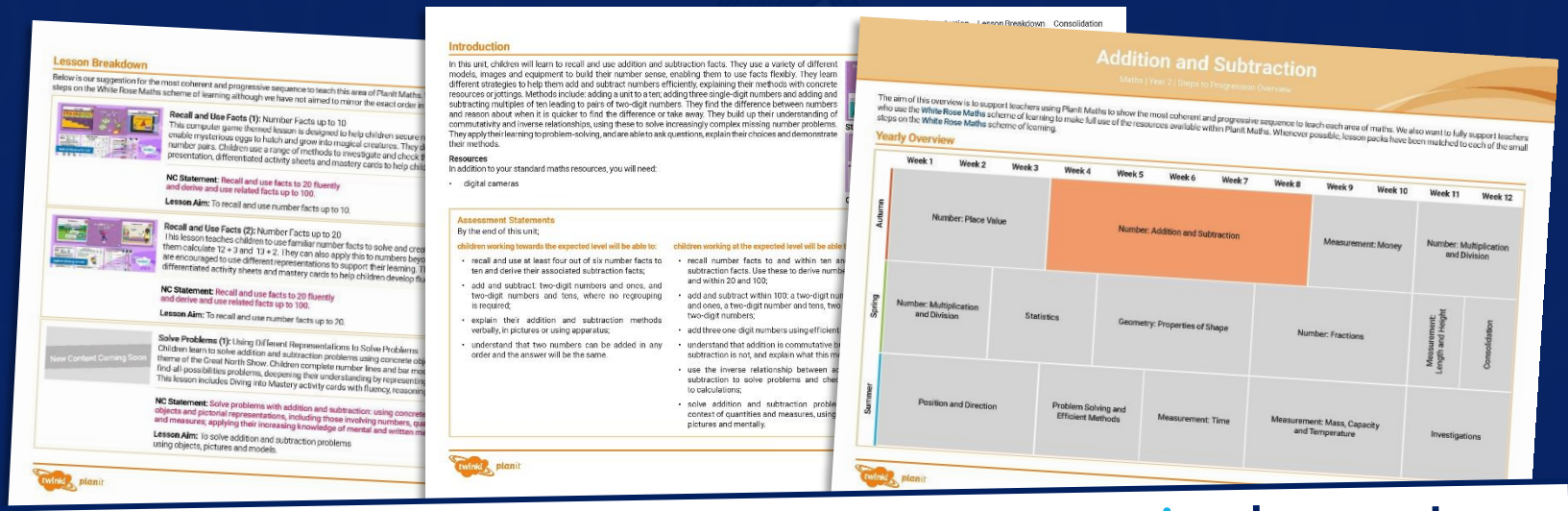
Maths

Addition and Subtraction

Need a coherently planned sequence of lessons to complement this resource?



See our Addition and Subtraction Steps to Progression document.

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Subtract Two 2-Digit Numbers, Crossing Ten

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Aim

- To subtract two 2-digit numbers crossing 10.

Success Criteria

- I can use number facts to subtract two 2-digit numbers crossing 10.
- I can use part-whole models to subtract two 2-digit numbers crossing 10.
- I can use number lines to subtract two 2-digit numbers crossing 10.

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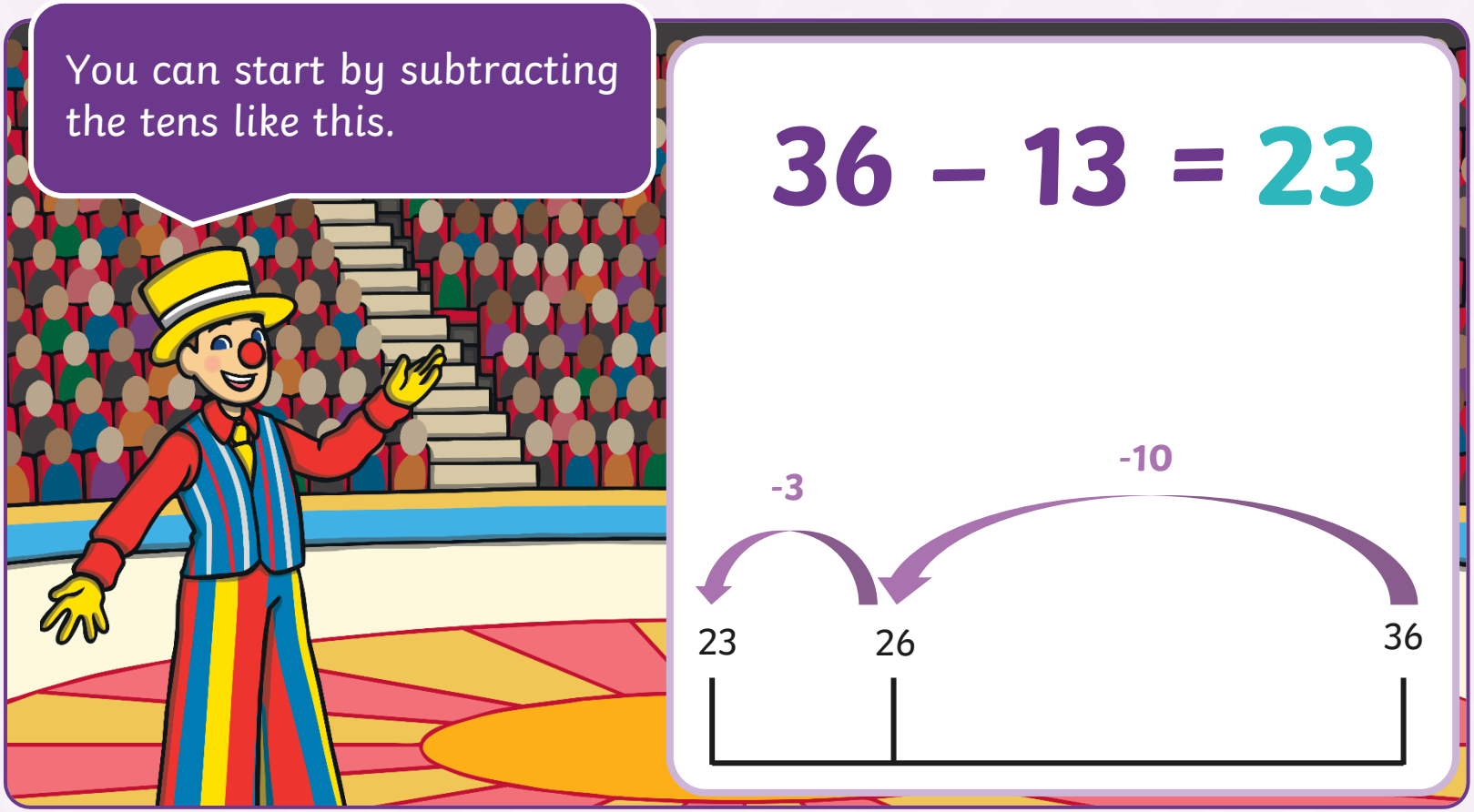
Remember It

Do you remember how to use number lines to subtract two 2-digit numbers?



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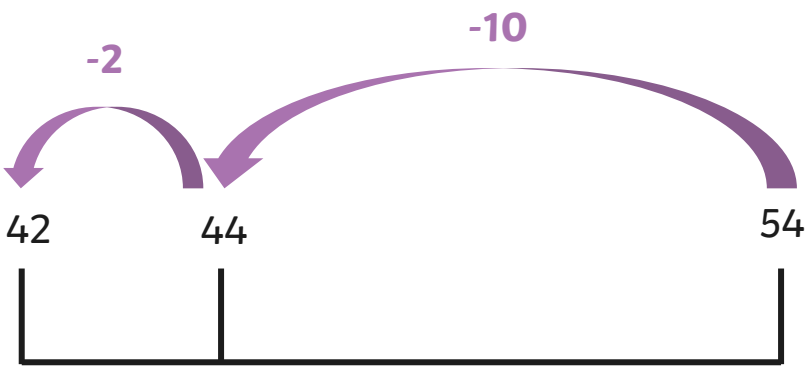
Remember It

Draw a number line on your whiteboard.
Use it to subtract these two 2-digit numbers.

$$54 - 12 = 42$$



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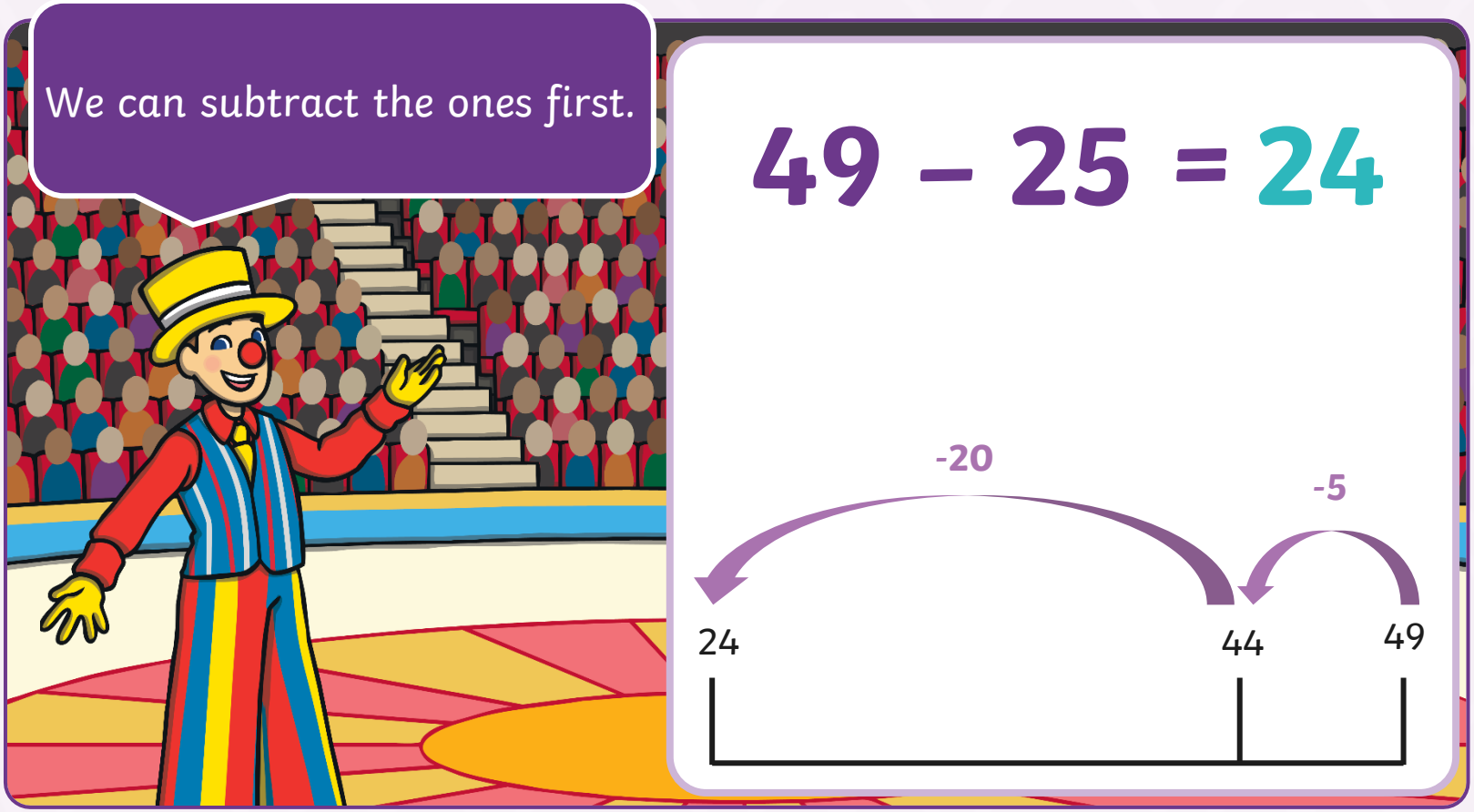
Remember It

Here's another way to use number lines to subtract two 2-digit numbers.



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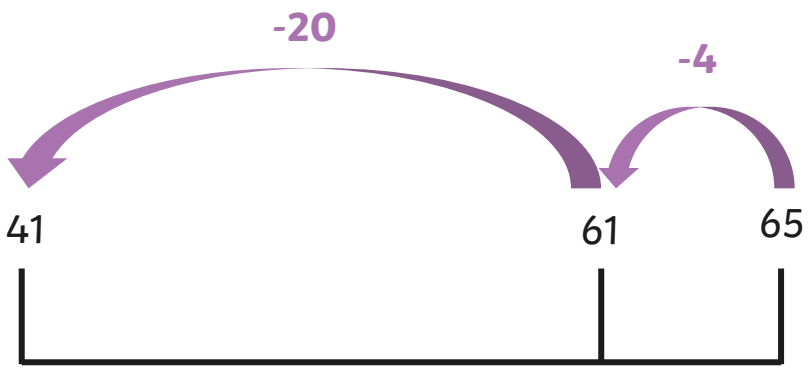
Remember It

Draw a number line on your whiteboard.
Use it to subtract these two 2-digit numbers.

$$65 - 24 = 41$$



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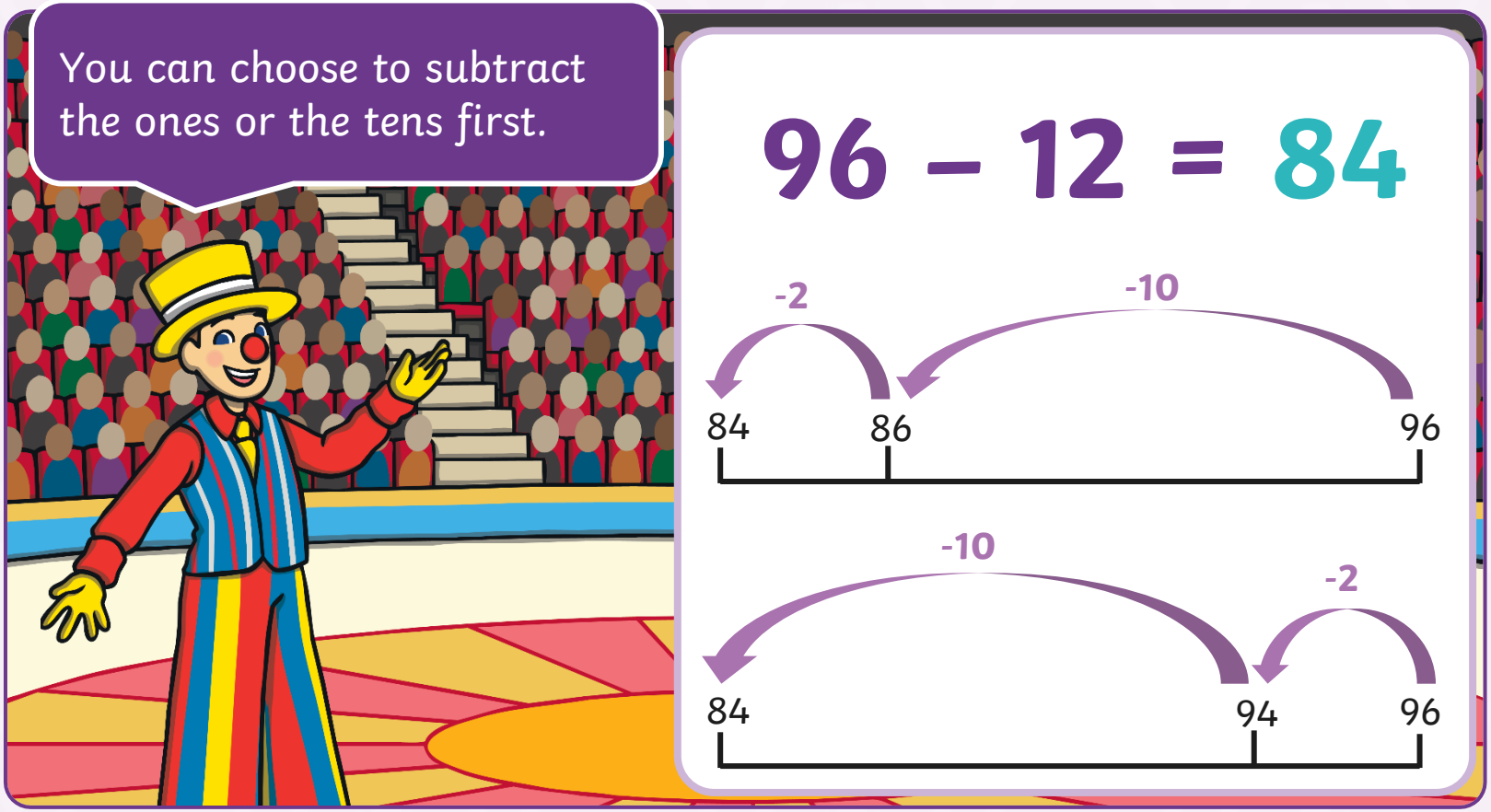
Remember It

Draw a number line on your whiteboard.
Use it to subtract these two 2-digit numbers.



$$96 - 12 = 84$$

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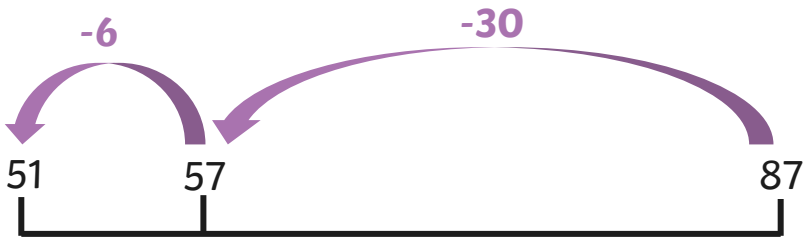
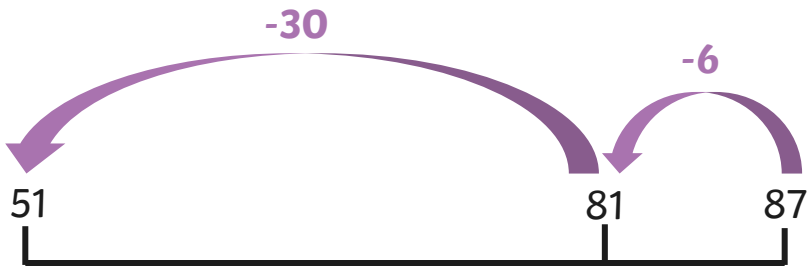
Remember It

Draw a number line on your whiteboard.
Use it to subtract these two 2-digit numbers.

$$87 - 36 = 51$$





You can choose to subtract the ones or the tens first.

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Jump-Back Jill

Do you remember Jump-Back Jill?

I can help you to subtract numbers when they cross ten.

She does amazing backflips along the number line!

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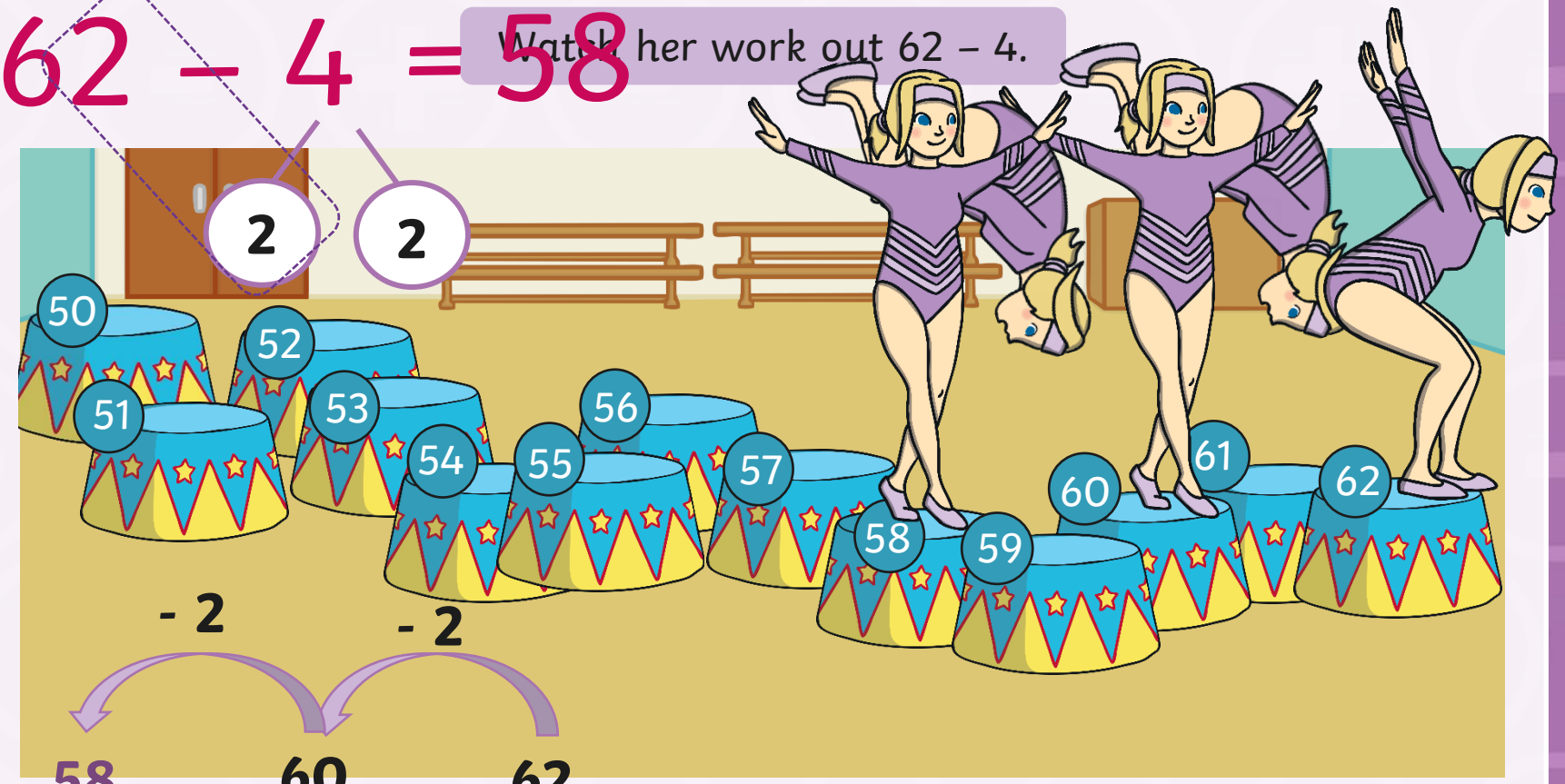
Jump-Back Jill

Whole Class

Jill jumped back to the nearest ten, then subtracted the rest of the ones.

Watch her work out 62 – 4.

62 – 4 = 58



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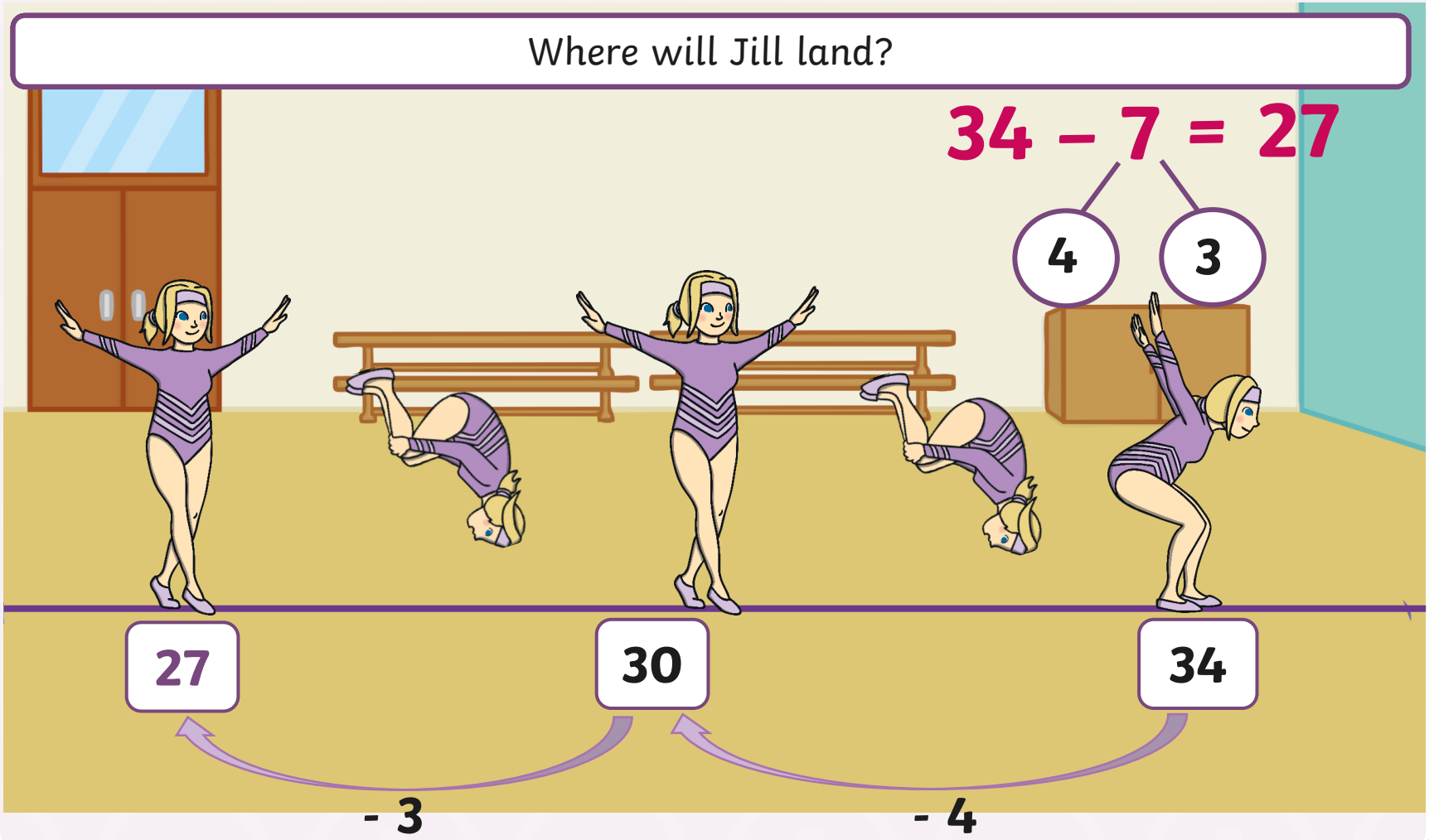
Jump-Back Jill

Whole Class

Where will Jill land?



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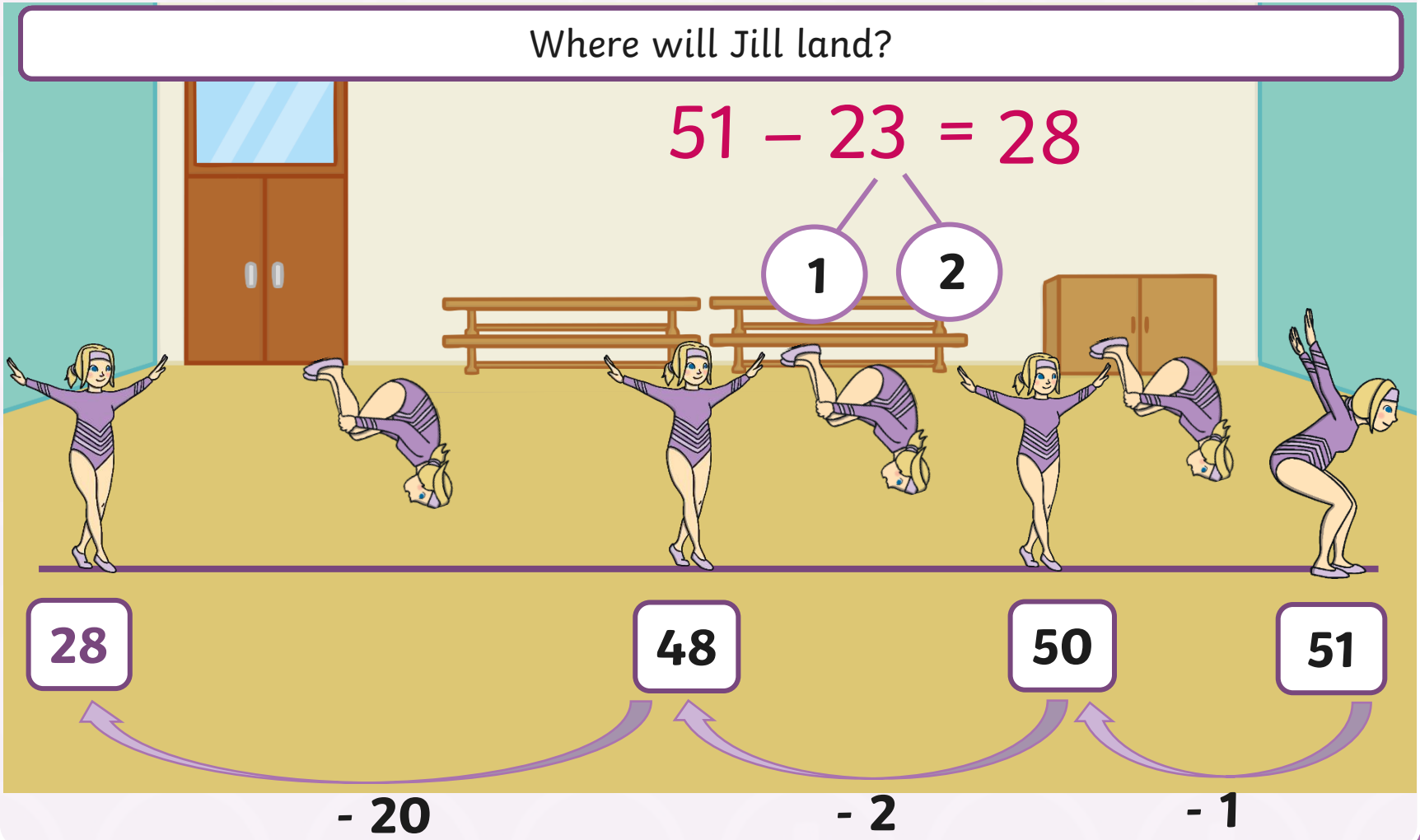
Jump-Back Jill

Whole Class

Where will Jill land?



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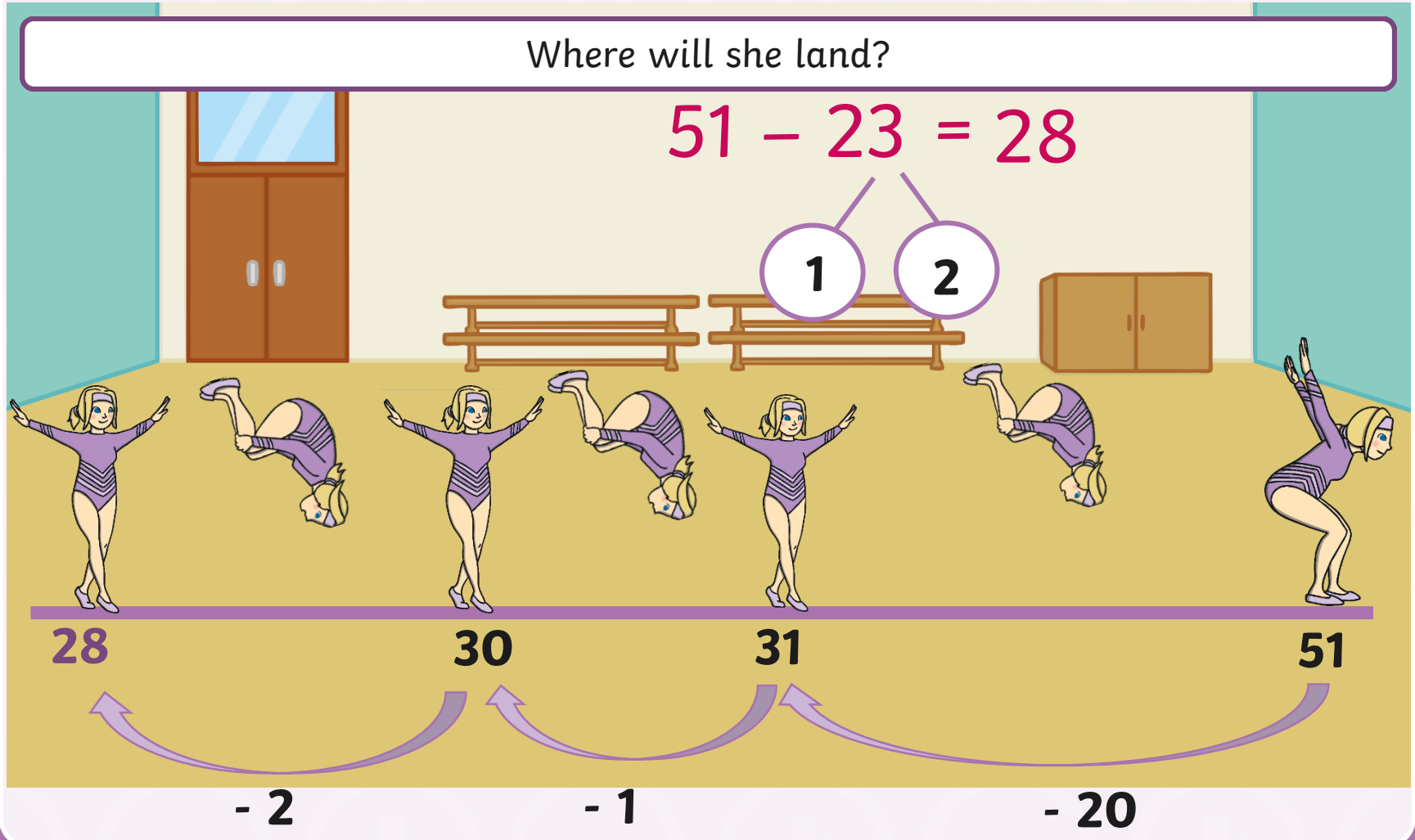
Jump-Back Jill

Whole Class

Where will she land?



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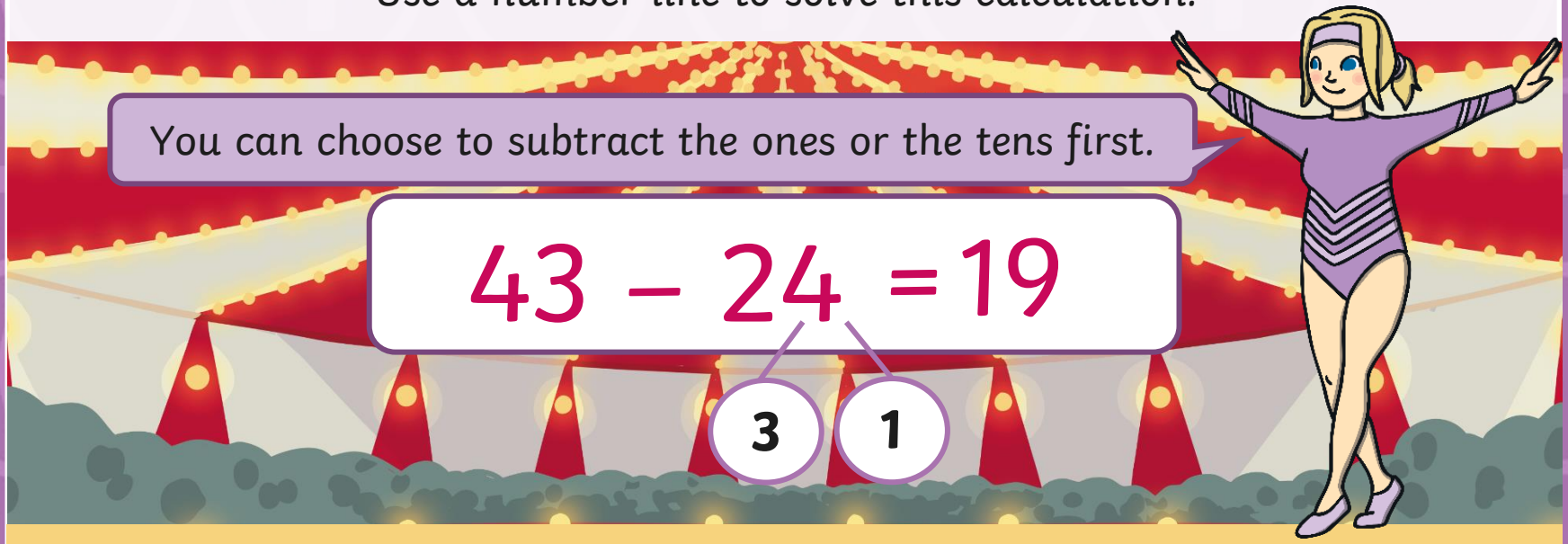
Jumping Further

Whole Class

Use a number line to solve this calculation.



You can choose to subtract the ones or the tens first.

$43 - 24 = 19$

3 1

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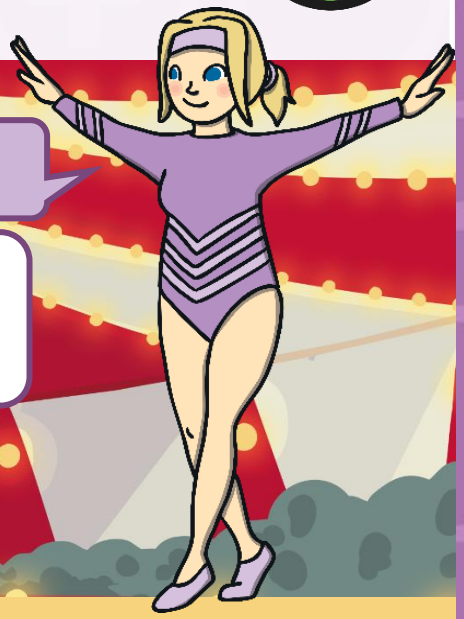
Jumping Further

Whole Class

Let's try one more.



You can choose to subtract the ones or the tens first.

$65 - 37 = 28$

5 2

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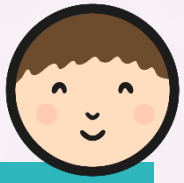
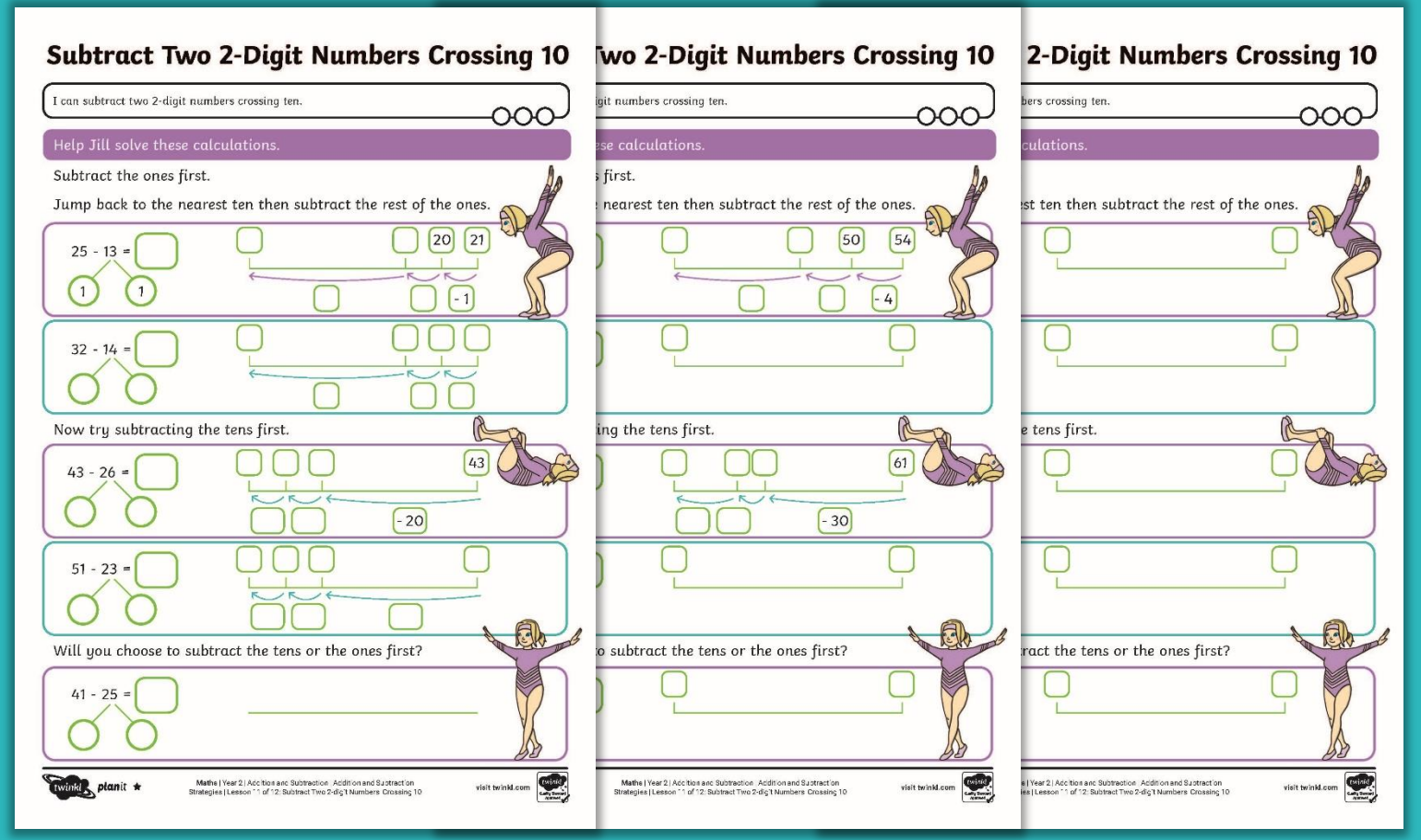
Activity Sheet





Subtract Two 2-Digit Numbers Crossing 10

I can subtract two 2-digit numbers crossing ten.

Help Jill solve these calculations.

Subtract the ones first.

Jump back to the nearest ten then subtract the rest of the ones.

25 - 13 =

1 1

20 21

- 1

32 - 14 =

Now try subtracting the tens first.

43 - 26 =

43

- 20

51 - 23 =

Will you choose to subtract the tens or the ones first?

41 - 25 =

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Maths | Year 2 | Addition and Subtraction: Addition and Subtraction Strategies | Lesson 1 of 12: Subtract Two 2-digit Numbers Crossing 10

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Two 2-Digit Numbers Crossing 10

50 54

- 4

61

- 30

2-Digit Numbers Crossing 10

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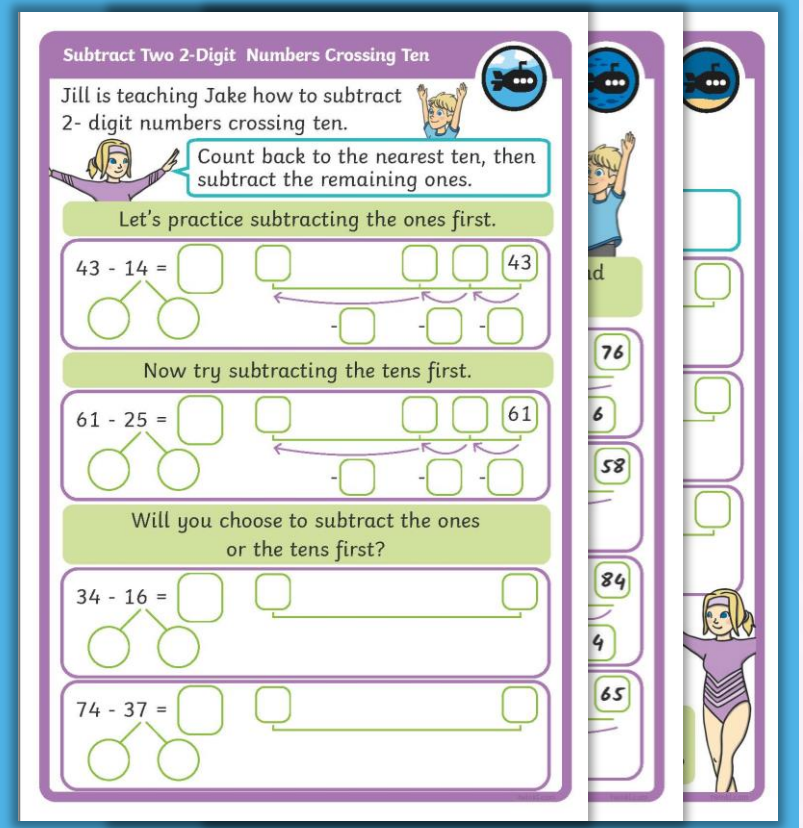
Diving into Mastery

Dive in by completing your own activity!



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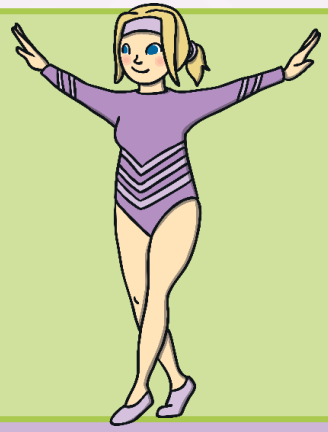
Jill's Challenge

Jill is working out where she would land if she jumped back 17.

Which strategy will you use?



$$73 - 17 = 56$$

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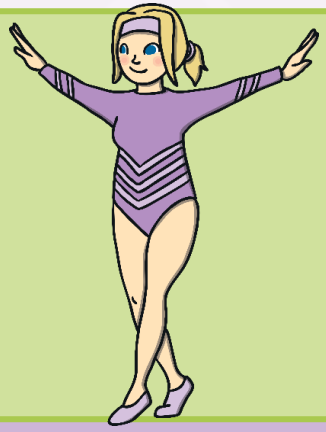
Jill's Challenge

Jill is working out where she would land if she jumped back 27.

Which strategy will you use?



$$73 - 27 = 46$$

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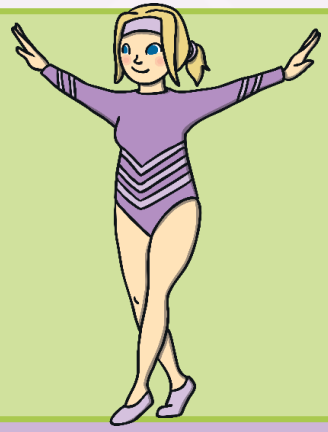
Jill's Challenge

Jill is working out where she would land if she jumped back 37.

Which strategy will you use?



$$73 - 37 = 36$$

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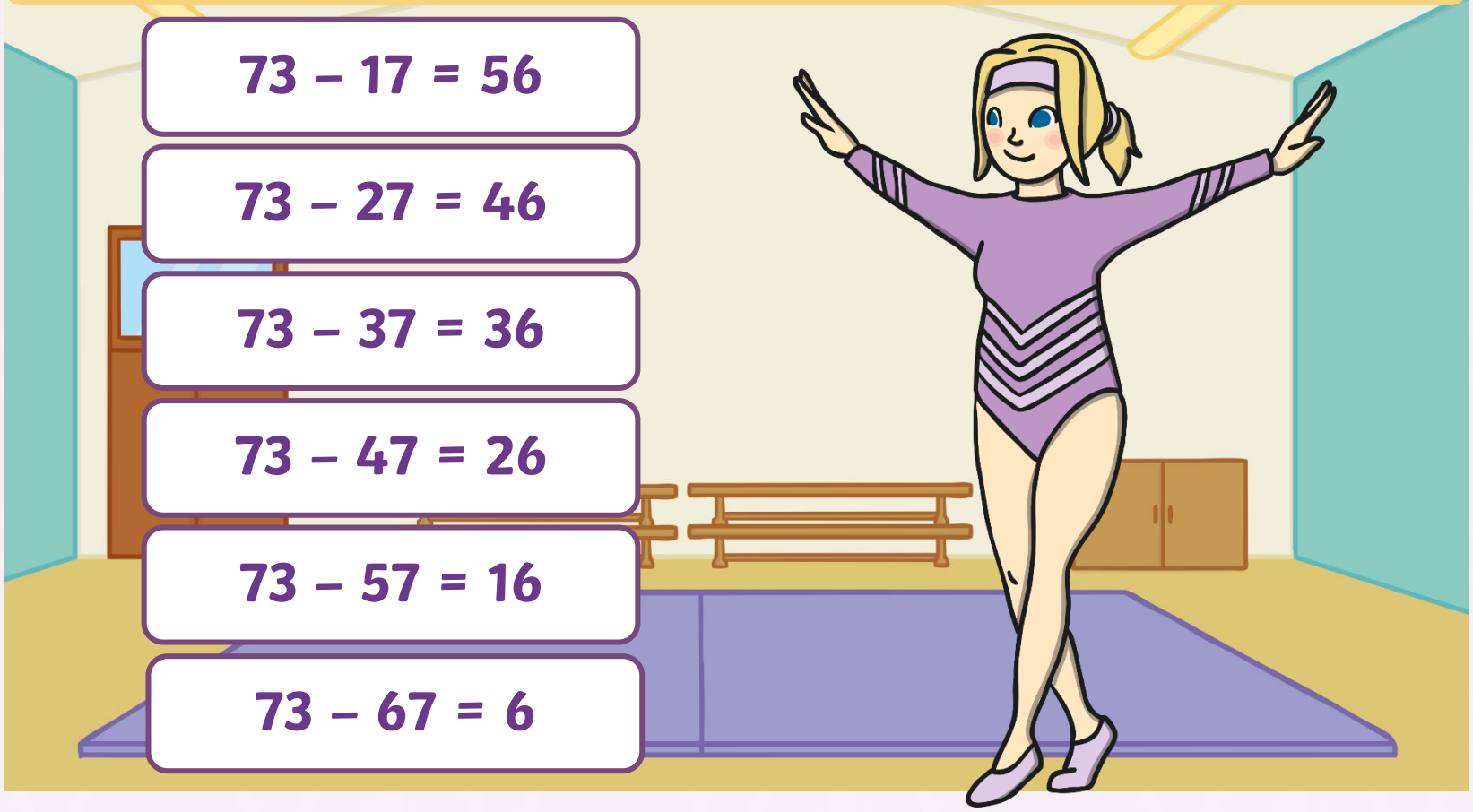
Jill's Challenge

What would come next?



- 73 – 17 = 56
- 73 – 27 = 46
- 73 – 37 = 36
- 73 – 47 = 26
- 73 – 57 = 16
- 73 – 67 = 6

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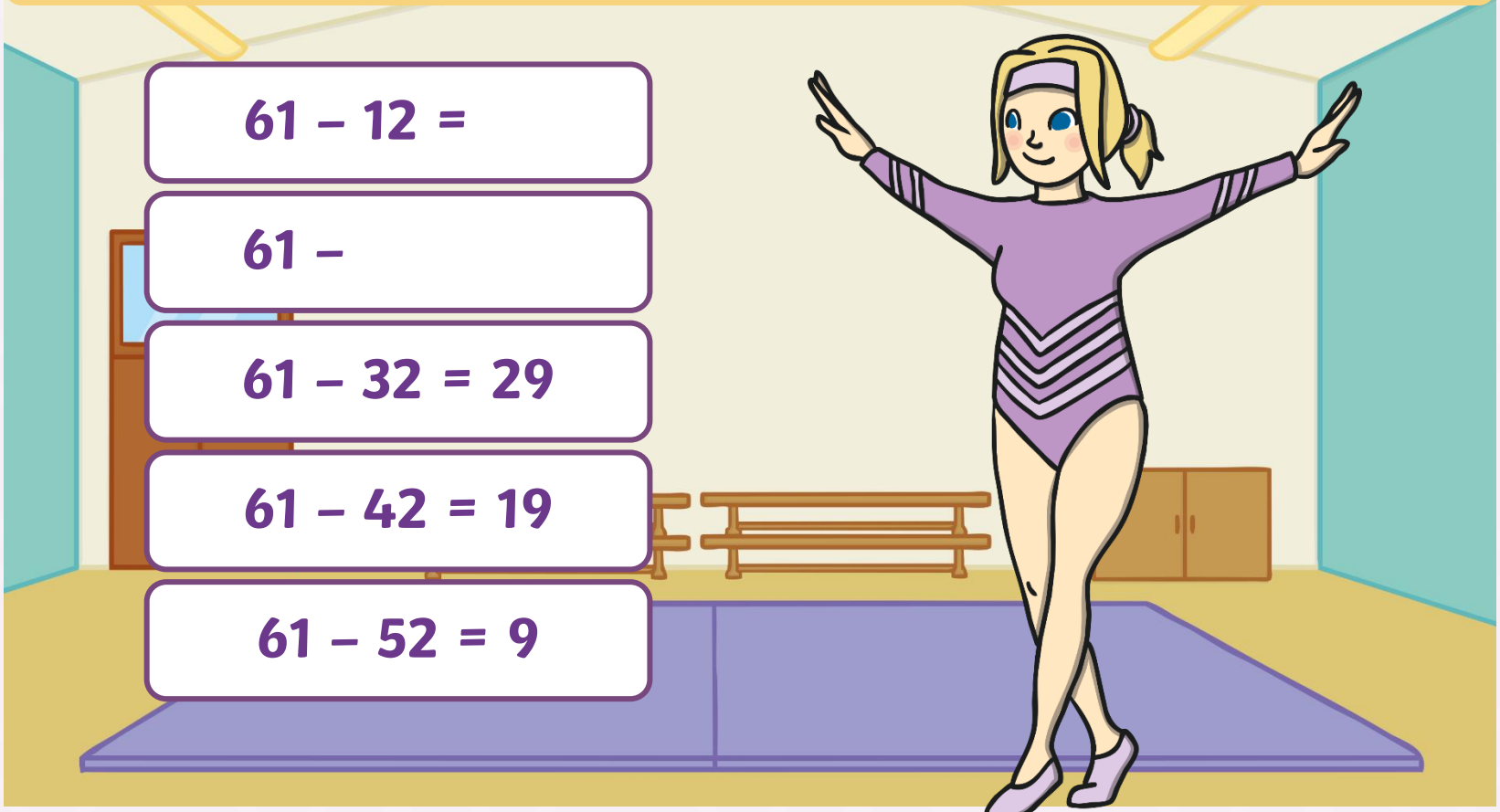
Jill's Challenge

Whole Class

Can you solve the calculation and continue the pattern?



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Aim

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