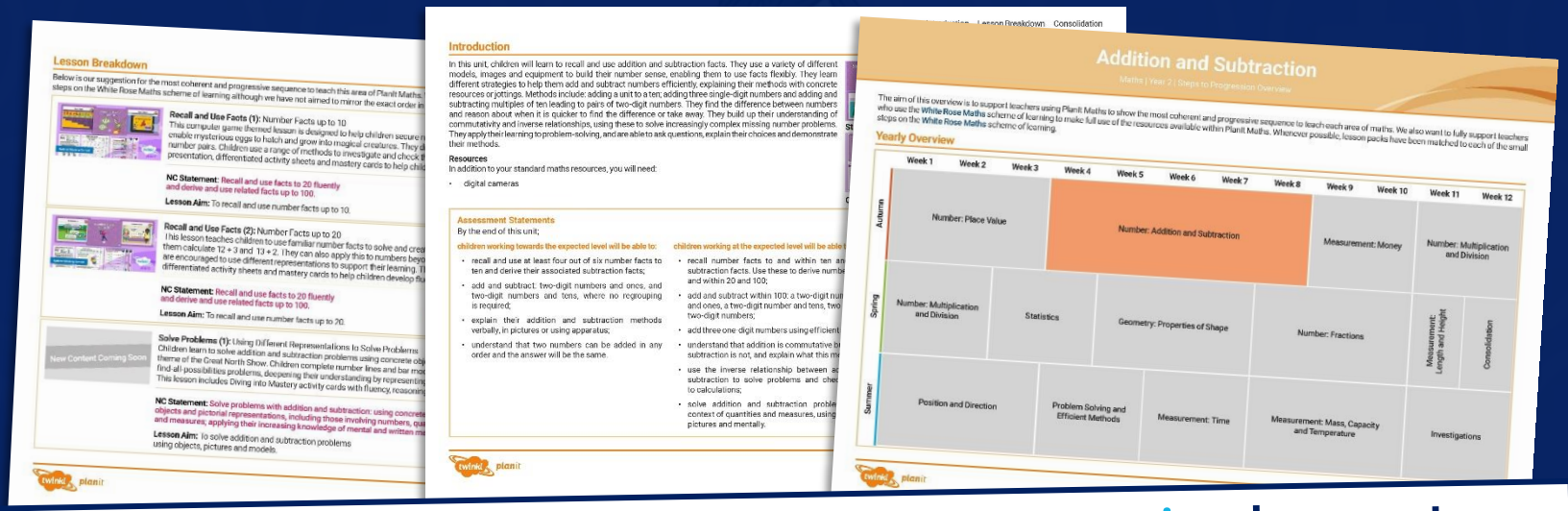
Maths

Addition and Subtraction

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

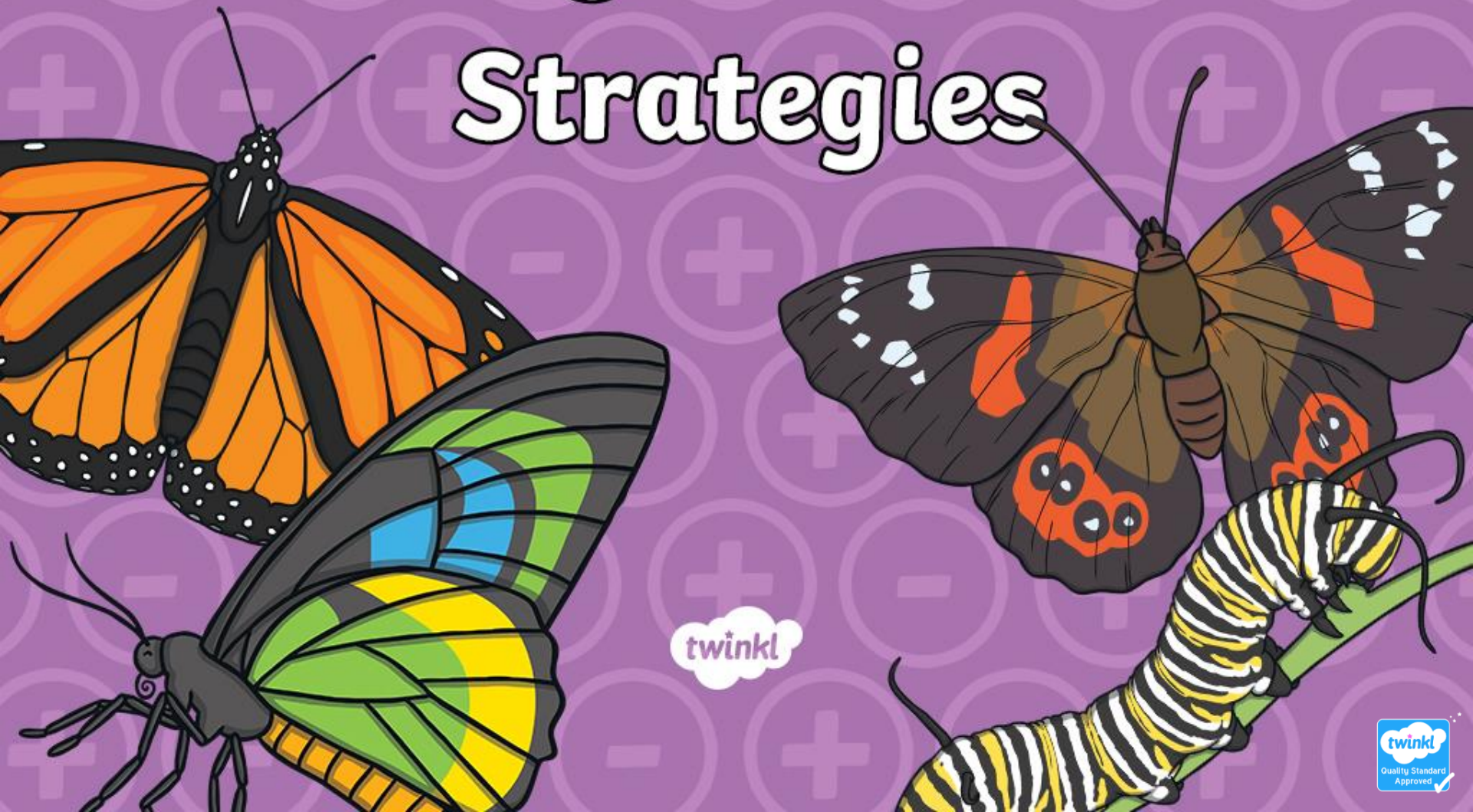


See our Addition and Subtraction Steps to Progression document.

Twinkl PlanIt is our award-winning scheme of work with over 4000 resources.

twinkl planit

Choosing Subtraction Strategies



Aim

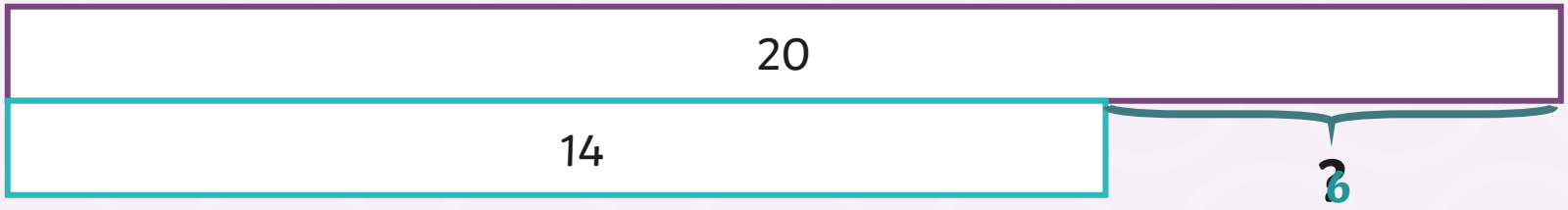
- To choose effective subtraction strategies.

Success Criteria

- I can use known number facts to subtract.
- I can count steps between numbers to find the difference.
- I can subtract using a number line.

Remember It

What does this bar model show us about the difference between 14 and 20?



Can you complete the calculations to show the difference between 20 and 14?

14 + 6 = 20

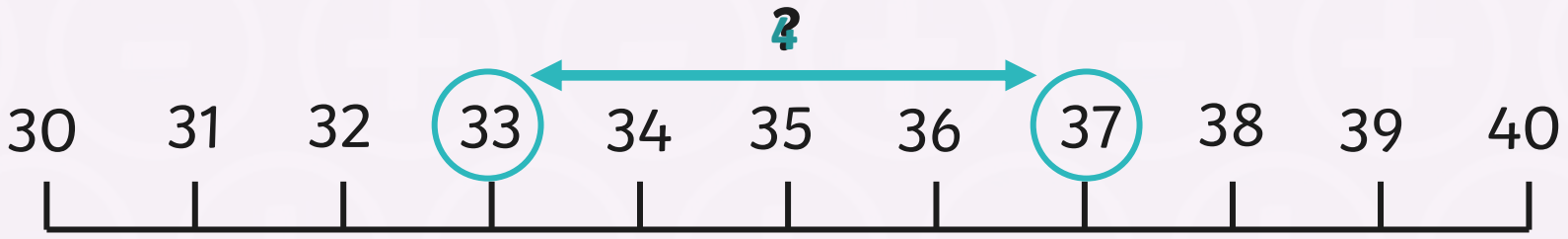
20 – 14 = 6

What is the same about these calculations?

What is different?

Remember It

What does this number line show us about the difference between 33 and 37?



Can you complete the calculations to show the difference between 37 and 33?

33 + 4 = 37

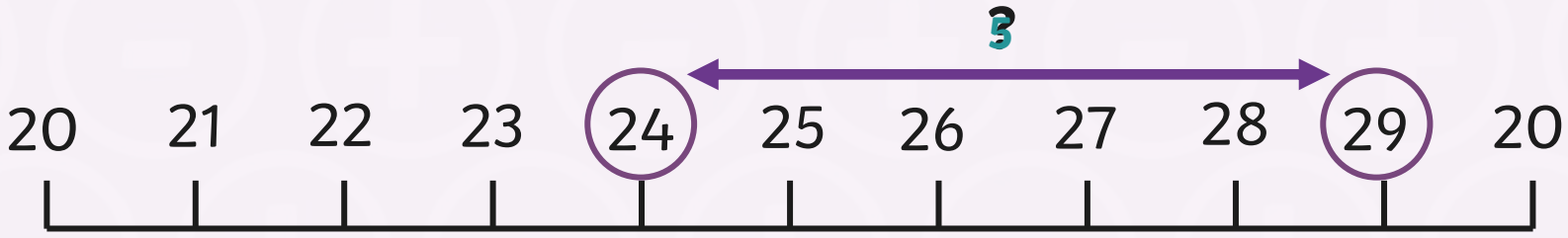
37 – 33 = 4

What is the same about these calculations?

What is different?

Remember It

Can you use a number line to find the difference between 24 and 29?



Can you complete the calculations to show the difference between 29 and 24?

24 + 5 = 29

29 – 24 = 5

The Butterfly House

Class 2 are at the Butterfly House.

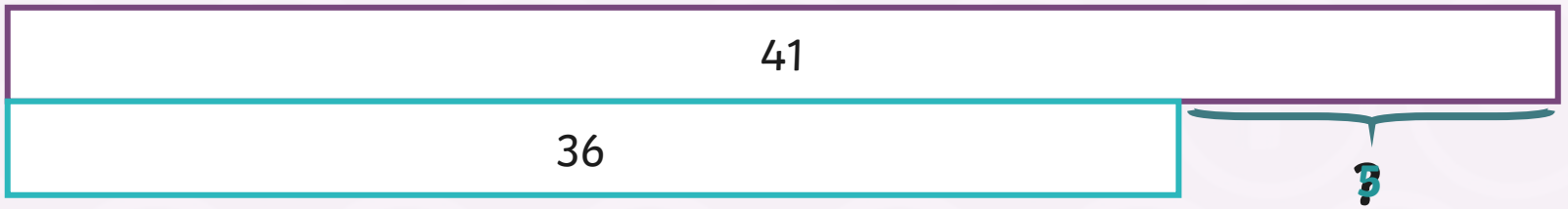
There are lots of insects to see.

The Butterfly House

Whole Class

Ann counts 41 butterflies. Azim counts 36.

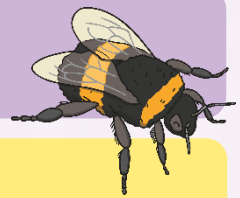
How many fewer butterflies does Azim see than Ann?



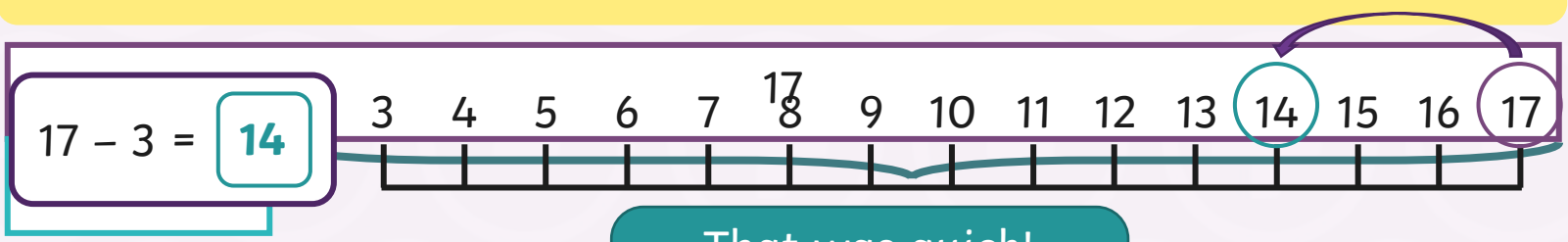
The Butterfly House

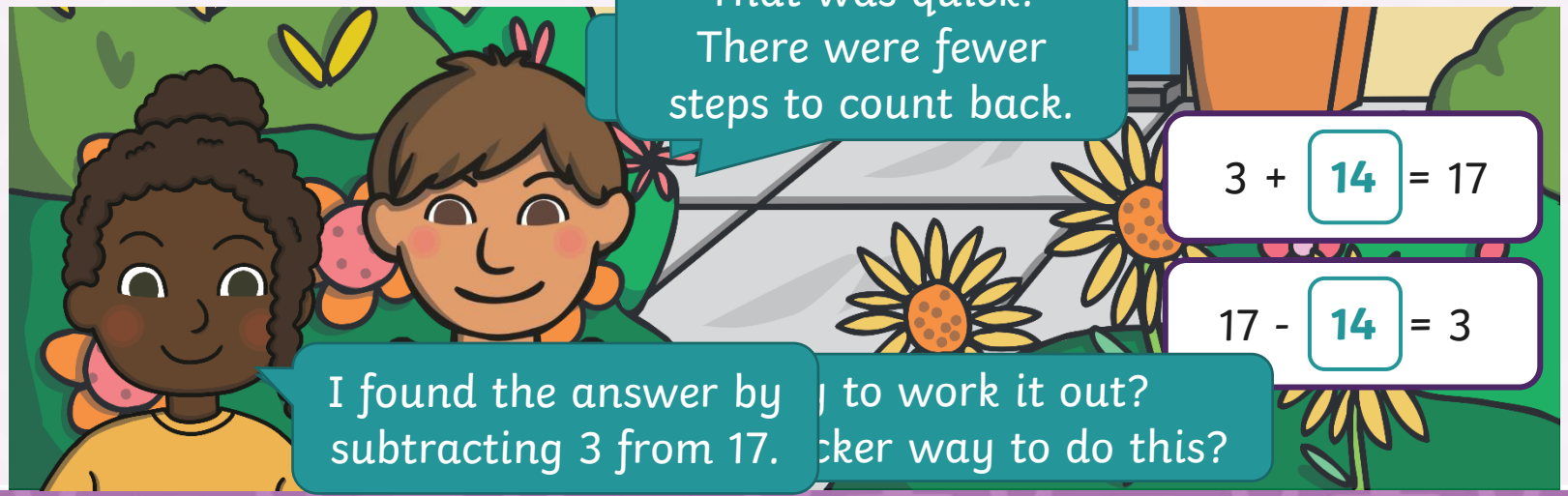
Whole Class

Samira counts 17 bees. Adam counts 3.

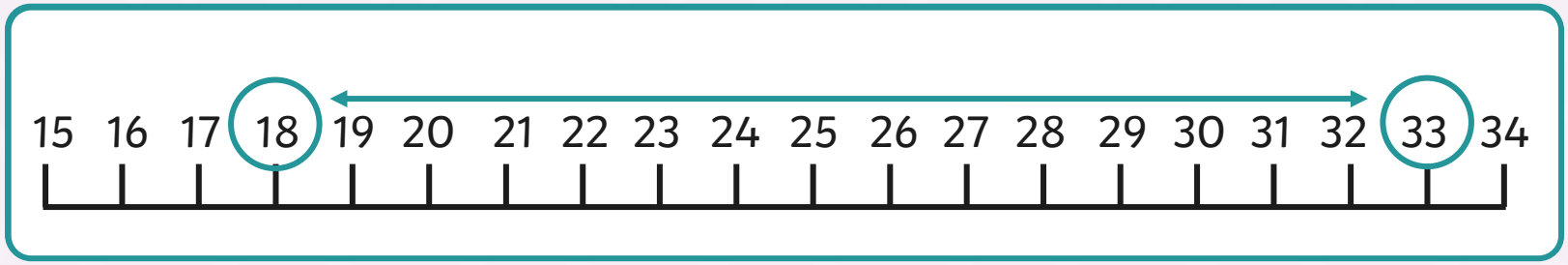


How many more bees does Samira see than Adam?





The Butterfly House



If the gap between the two numbers is greater, try a different strategy.

Strategies

Whole Class

We know lots of strategies to help us solve subtraction calculations.

Let's remind ourselves of some of the strategies that we have learnt so we know what will help us solve different calculations.

Strategies

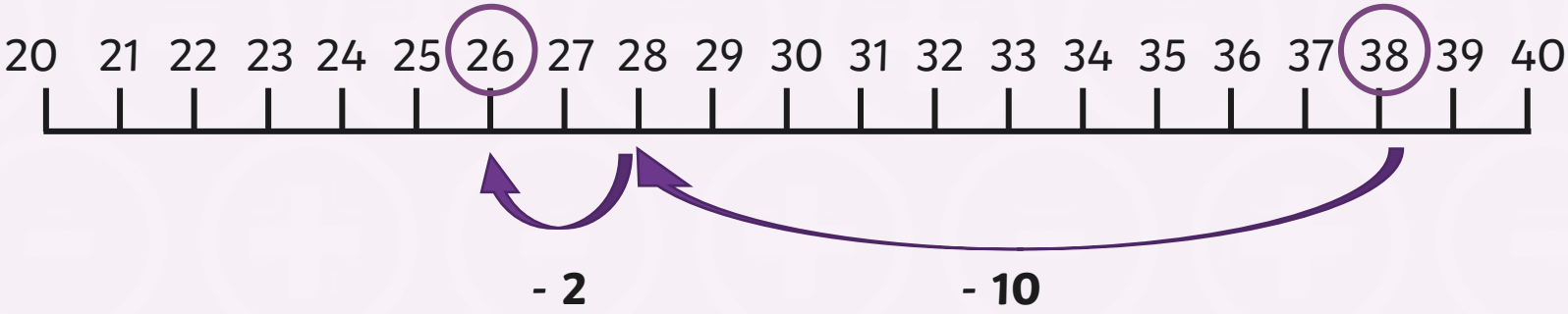
Whole Class

Subtract a 2-digit number from a 2-digit number not crossing ten.

First, I partitioned 12 into tens and ones.
Next, I subtracted the tens.
Then, I subtracted the ones.

38 – 12 = **26**

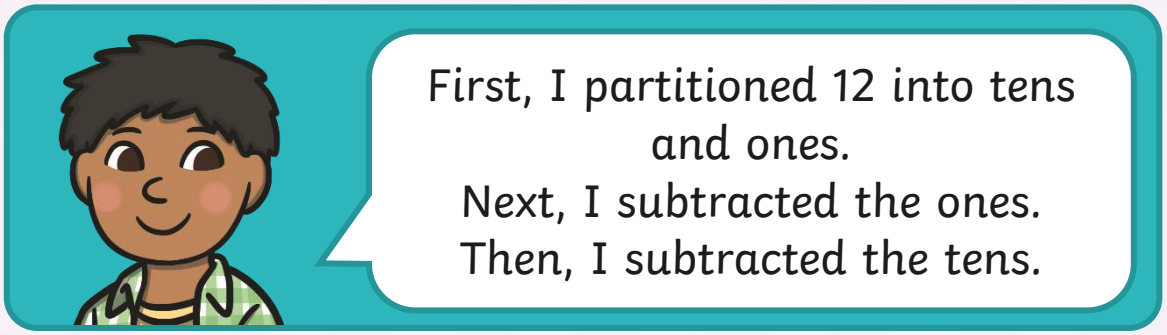
10 **2**



Strategies

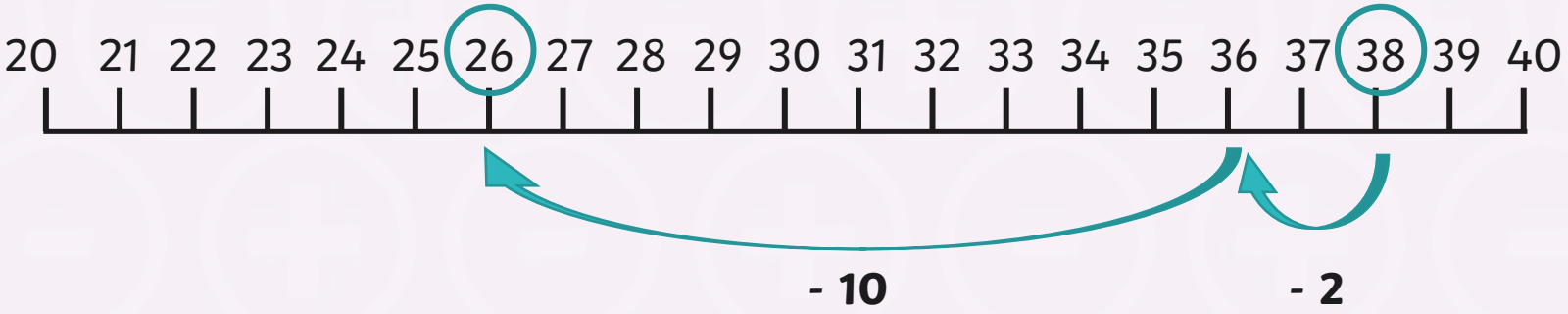
Whole Class

Subtract a 2-digit number from a 2-digit number not crossing ten.



38 – 12 = **26**

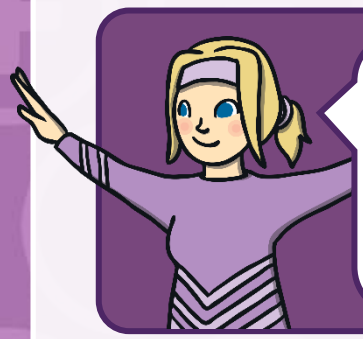
10 **2**



Strategies

Whole Class

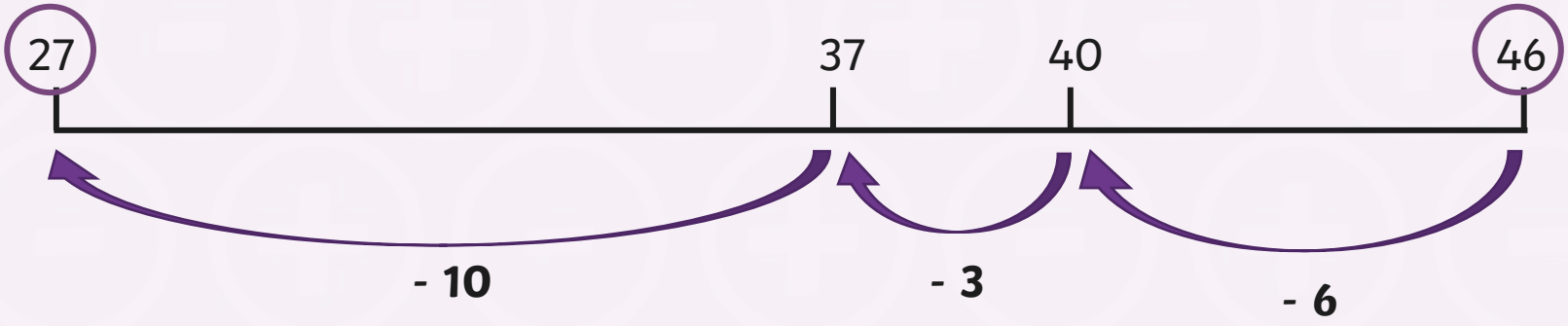
Subtract a 2-digit number from a 2-digit number crossing ten.



First, I partitioned the ones to find the nearest ten.
Next, I subtracted the rest of the ones.
Then, I subtracted the tens.

46 – 19 = **27**

6 **3**



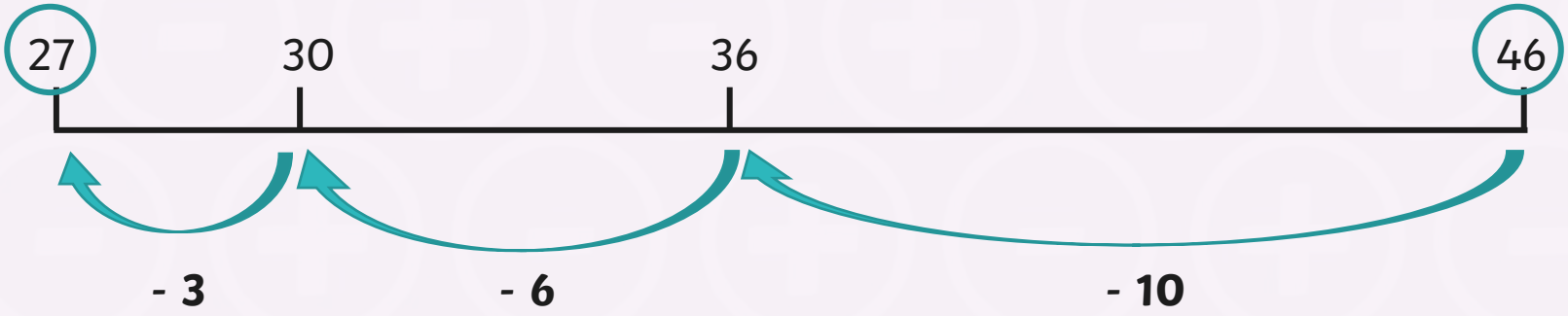
Strategies

Subtract a 2-digit number from a 2-digit number crossing ten.

First, I subtracted the tens.
Next, I partitioned the ones to find the nearest ten.
Then, I subtracted the rest of the ones.

46 – 19 = **27**

6 **3**

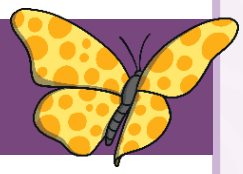


Problem-Solving

Work with a partner.

Which strategy will you use to solve this problem?

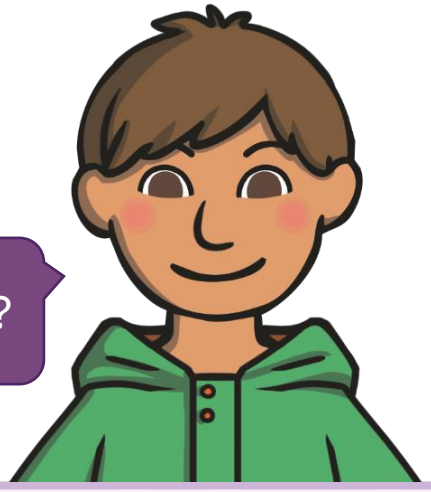
There were 23 blue butterflies and 18 red butterflies.
How many more blue butterflies were there than red?



$18 + \boxed{5} = 23$

What did you do?

Can you explain why?

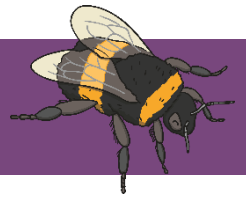


Problem-Solving

Work with a partner.

How will you solve this problem?

There were 47 bees and 21 ladybirds.
How many fewer ladybirds were there?



$47 - \boxed{26} = 21$

Did you find your answer quickly?

Would a different strategy be more efficient?

Problem-Solving

Work with a partner.

Which strategy will help you to solve this problem?

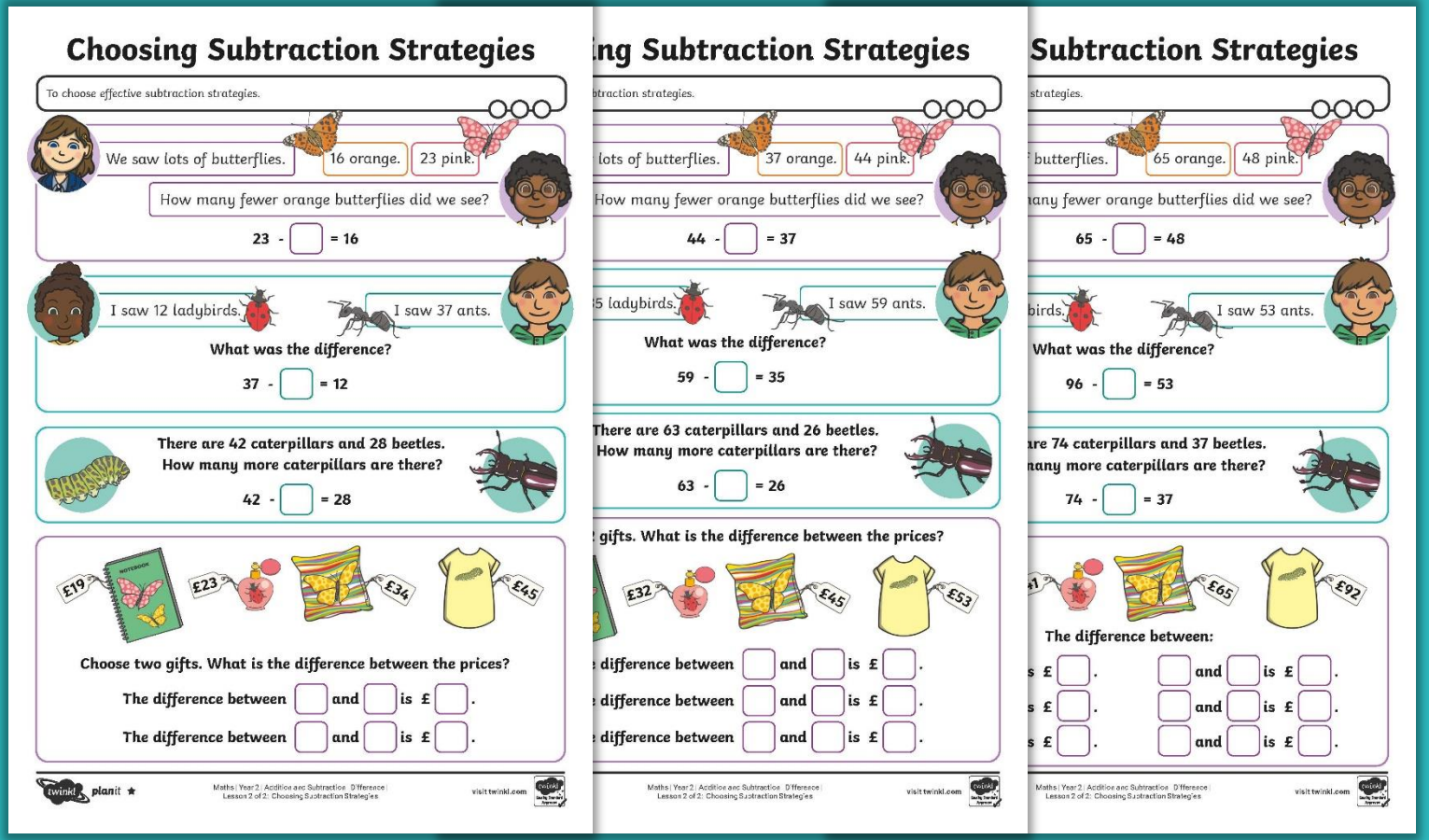
There were 31 ants and 17 beetles.
What was the difference between the number of ants and beetles?

$31 - \boxed{14} = 17$

Did your strategy work well for you?

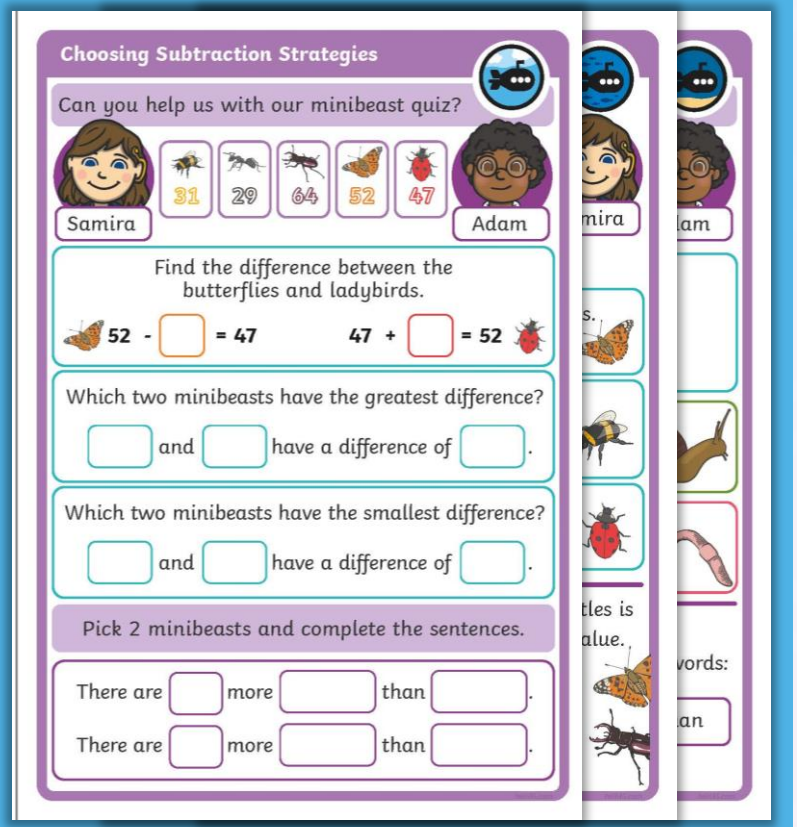
Should you try a different way?

Choosing Subtraction Strategies



Diving into Mastery

Dive in by completing your own activity!



Insects Everywhere

Whole Class

Work with a partner.

Choose 2 numbers.

Use different strategies to find the difference between them.

Which strategy worked best?

Can you explain why?

Aim

- To choose effective subtraction strategies.

Success Criteria

- I can use known number facts to subtract.
- I can count steps between numbers to find the difference.
- I can subtract using a number line.