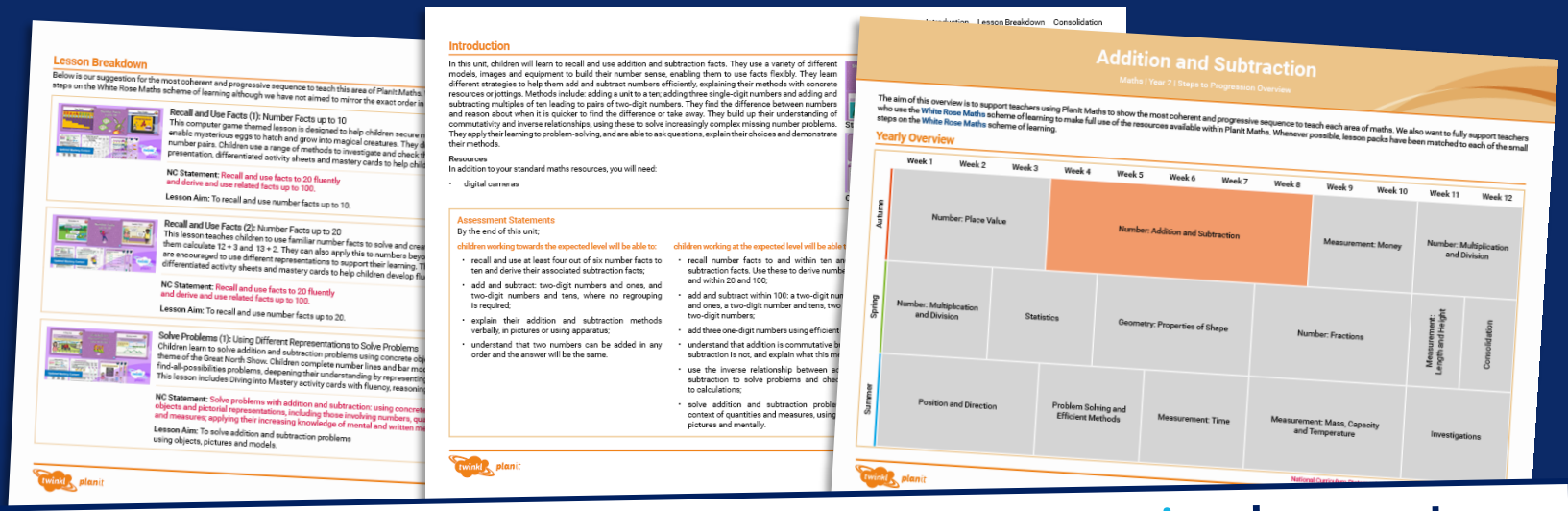
Maths

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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Applying Number Facts to Numbers within 100

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Aim

- To apply number facts within 10 to numbers within 100.

Success Criteria

- I can recall number facts within 10.
- I can continue a number pattern.
- I can add a single digit to numbers within 100 (not crossing tens).
- I can subtract a single digit number from numbers within 100 (not crossing tens).

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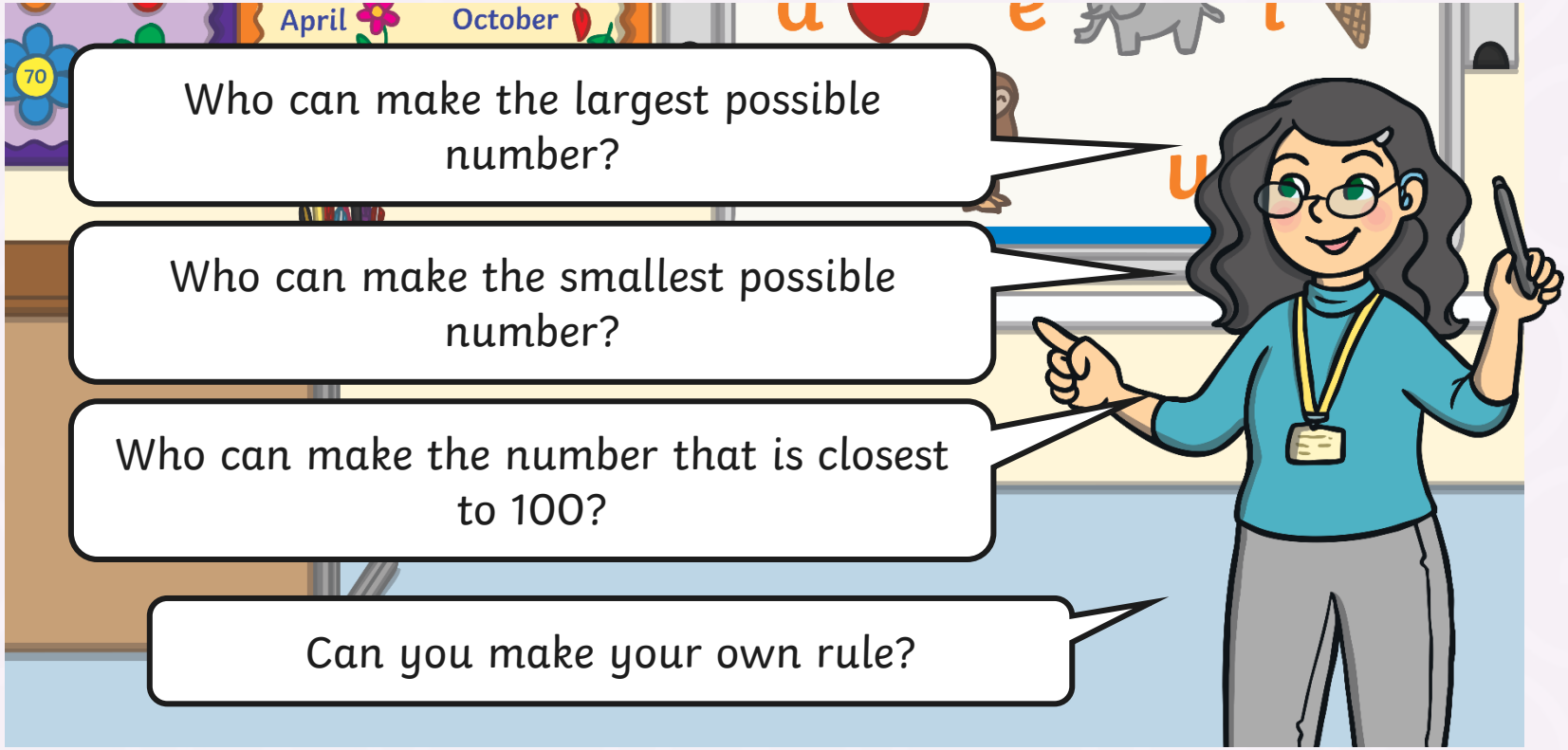
Remember It



Take 2 cards from the pile and add, subtract or find the difference to win the game.

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Remember It

You can add in extra rules, such as:

Take 3 cards.

Make the smallest odd number.

Make a number between 3 and 6.

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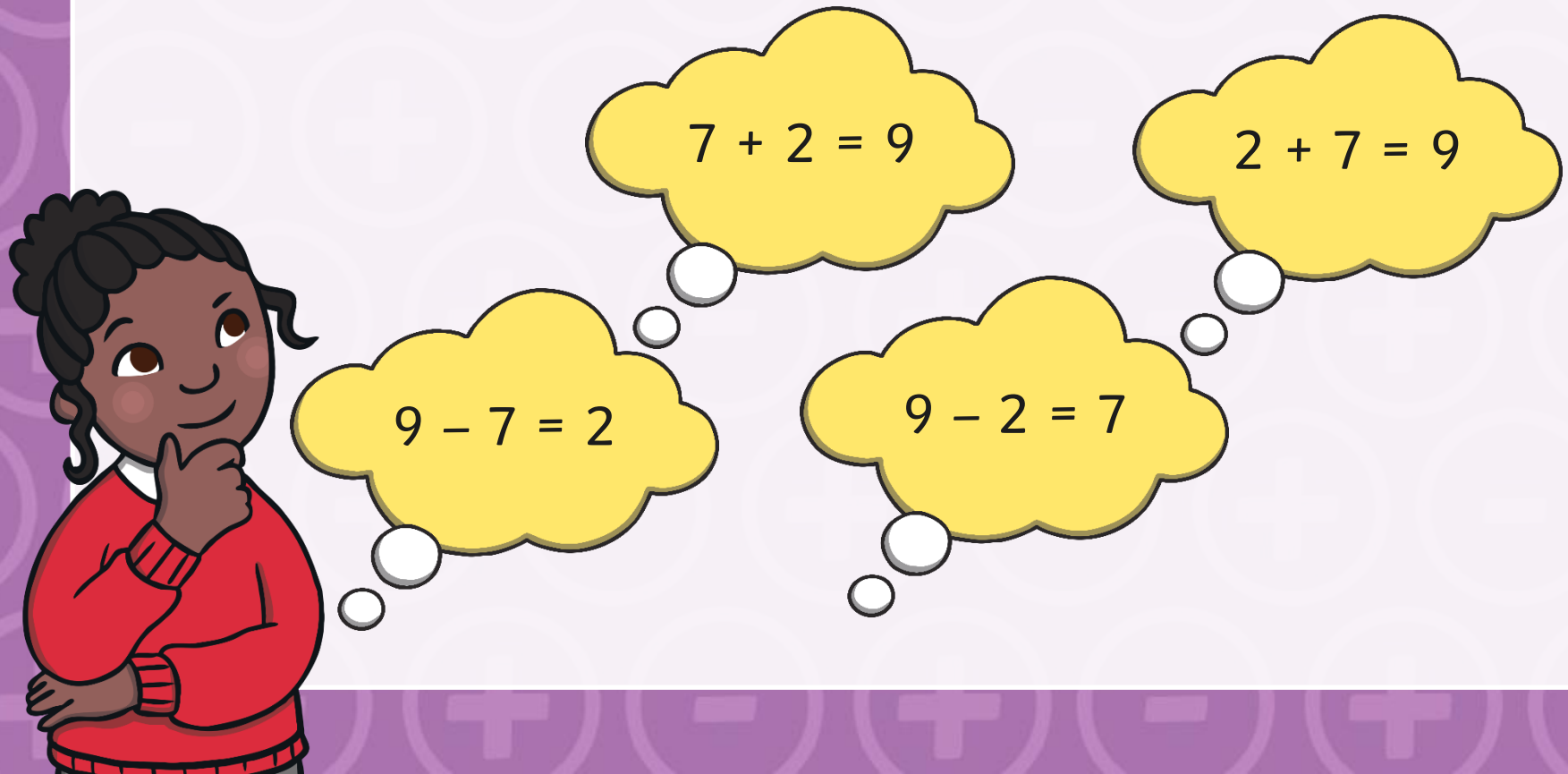
Number Facts

You will already know lots of facts.

We can use these to make new facts.



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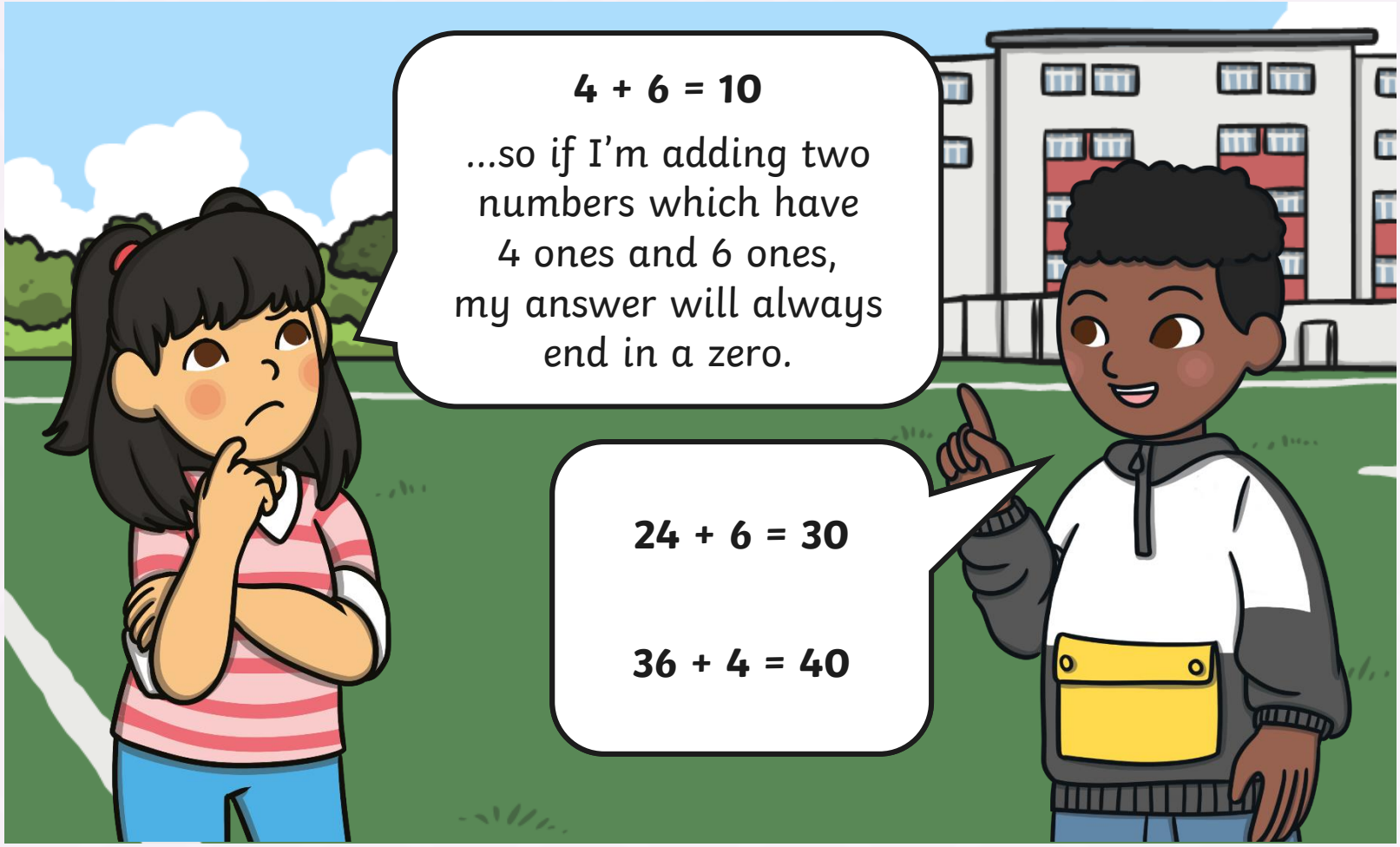
Number Facts

Whole Class



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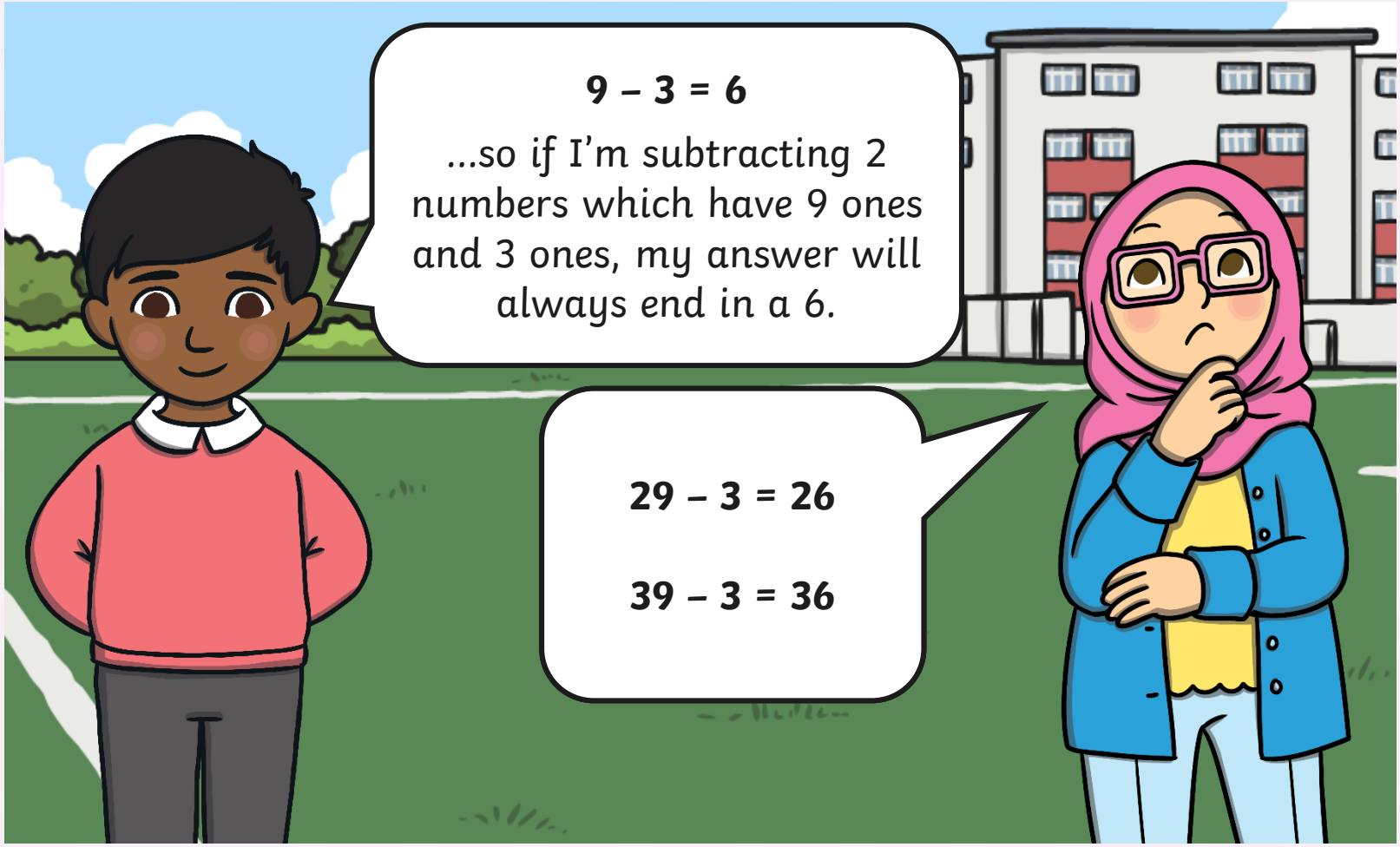
Number Facts



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Number Facts

But...

Adrian is only right if he puts the 9 first and subtracts 3.

23 – 9 = 14

33 – 9 = 24

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Follow the Pattern

Can you continue the pattern that has been started?

$100 - 7 = 93$

$90 - 7 = 83$

$80 - 7 = 73$

$70 - 7 = 63$

$60 - 7 = 53$

$50 - 7 = 43$

$40 - 7 = 33$

$30 - 7 = 23$

$20 - 7 = 13$

$10 - 7 = 3$

Can you explain what is happening?

Can you use equipment to explain why this happens?

Can you make a rule?

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Follow the Pattern

Can you continue the pattern that has been started?

$4 + 3 = 7$

$14 + 3 = 17$

$24 + 3 = 27$

$34 + 3 = 37$

$44 + 3 = 47$

$54 + 3 = 57$

$64 + 3 = 67$

$74 + 3 = 77$

$84 + 3 = 87$

$94 + 3 = 97$

Can you explain what is happening?

Can you use equipment to explain why this happens?

Can you make a rule?

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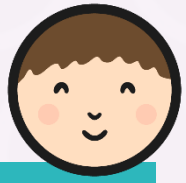
Speed It Up



Challenge 1 ★

Can you continue the pattern to 100 and describe what is happening?

7 + 3 = 10

17 + 3 = 20

27 + 3 =

Why does this happen?

Can you make a rule about what happens when you add numbers with 7 ones and numb

Challenge 2 ★

Can you continue the pattern to 10 and describe what is happening?

100 – 5 = 95

90 – 5 =

80 – 5 =

Why does this happen?

Can you make a rule about what happens when you

Challenge 3

How quickly can you complete th

8 + 2 =	68 + 2
18 + 2 =	78 + 2
28 + 2 =	88 + 2
38 + 2 =	98 + 2
48 + 2 =	
58 + 2 =	

Challenge 1 ★★★

Take a pack of digit cards. Start at zero and add each number as you turn it over.

Can you use your number bonds to help you?

Challenge 2 ★★★

Take a pack of digit cards. Start at 100 and subtract each number as you turn it over.

Can you use your number bonds to help you?

Challenge 3 ★★★

How quickly can you complete these calculations?

3 + 4 =

13 + 4 =

23 + 4 =

Continue the pattern.

Make a rule about what you notice.

Now, make up one of your own for a friend to try.

Challenge 4 ★★★

How quickly can you complete these calculations?

96 – 5 =

86 – 5 =

Continue the pattern.

Make a rule about what you notice.

What would happen if you subtracted 15 each time? Now make up one of your own

Challenge 2 ★★

How quickly can you complete these calculations?

2 + 6 =	42 + 6 =	82 + 6 =
12 + 6 =	52 + 6 =	92 + 6 =
22 + 6 =	62 + 6 =	
32 + 6 =	72 + 6 =	

Were you quick?

Can you explain why?

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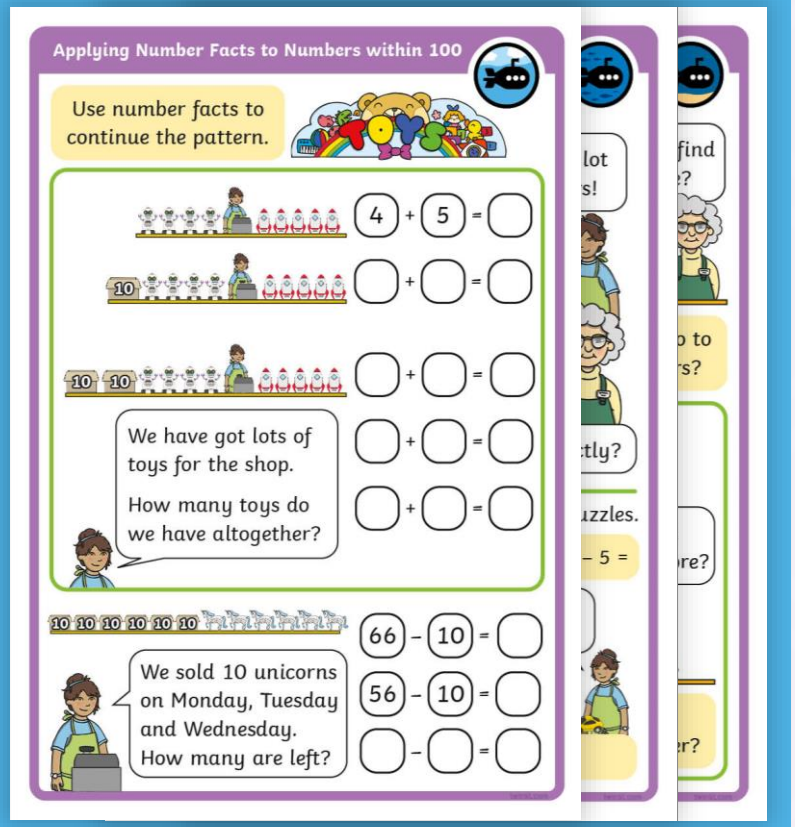
Diving into Mastery

Dive in by completing your own activity!



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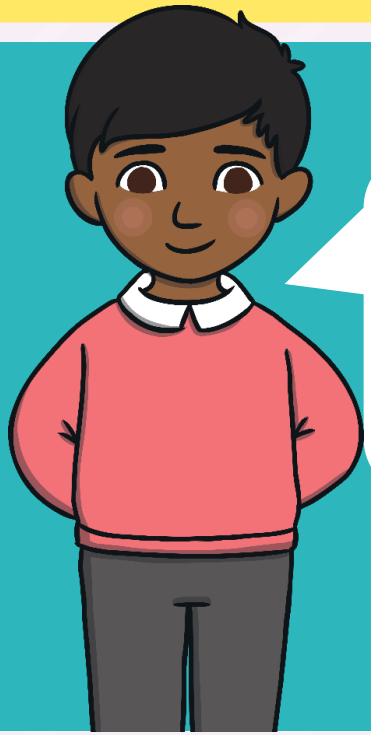
Explaining

Can you explain to the class what you noticed during your activity?

Can you share a rule that you made?



Do the rest of the class agree with you?

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