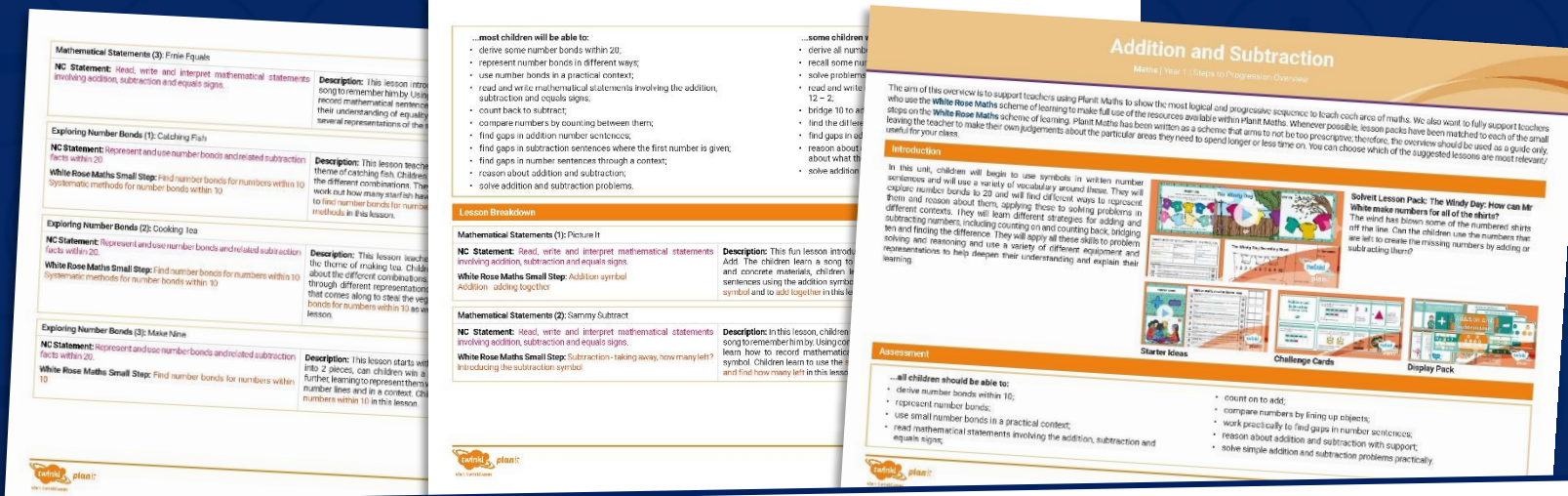




# Maths

## Addition and Subtraction

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

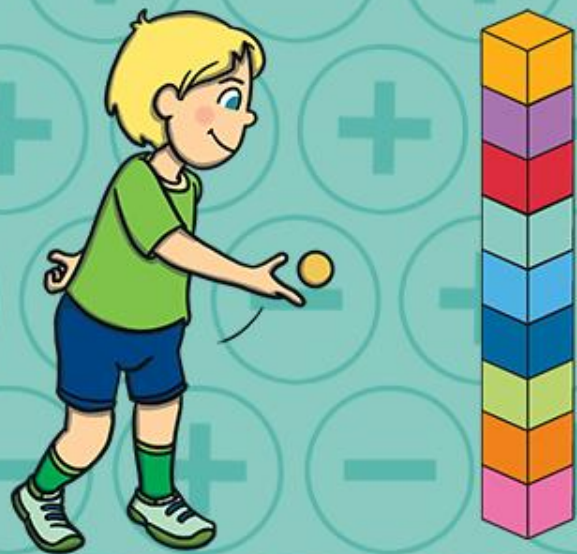


See our [Addition and Subtraction Steps to Progression](#) document.

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



# Find and Recall Number Bonds of 9



# Aim

- To find and recall number bonds of 9.

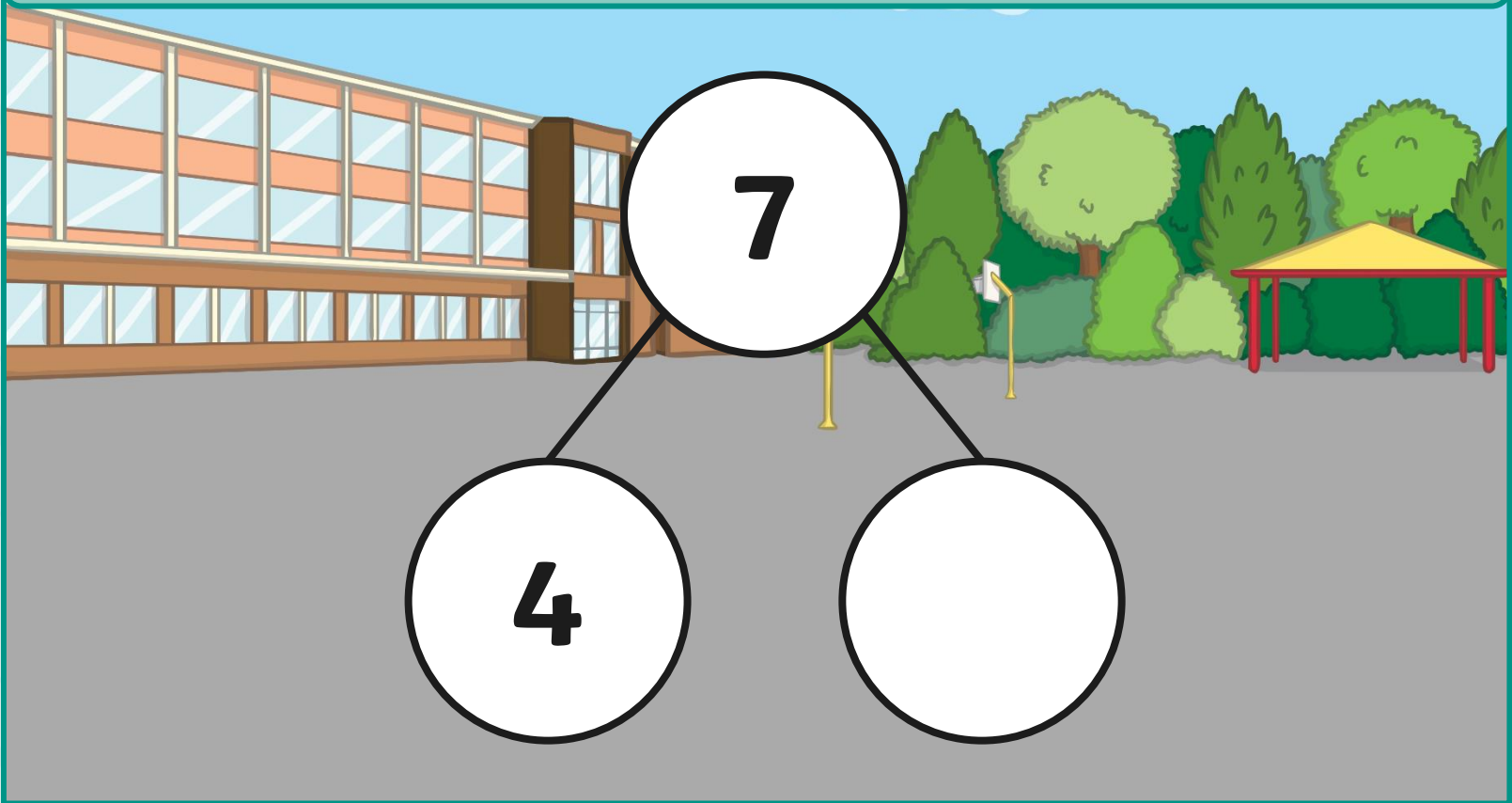
# Success Criteria

- I can find number bonds of 9 by adding two numbers.
- I can recall number bonds of 9.
- I can work systematically to find all possibilities.

# Remember It



Recall number bonds of 7 to find the missing number.

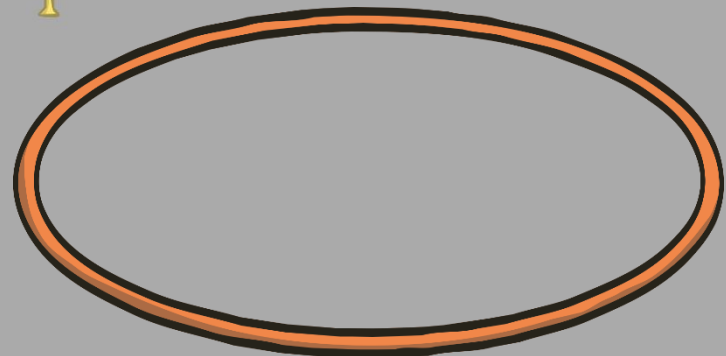
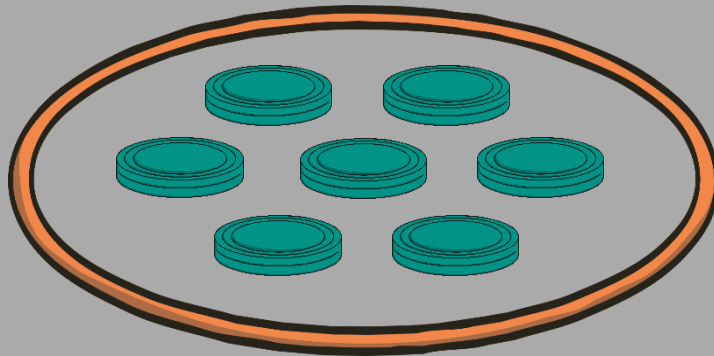


# Remember It



Recall number bonds of 7 to find the missing number.

7 and  = 7



# Remember It



Recall number bonds of 7 to find the missing number.






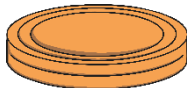

7

6

# Remember It



Recall number bonds of 7 to find the missing number.

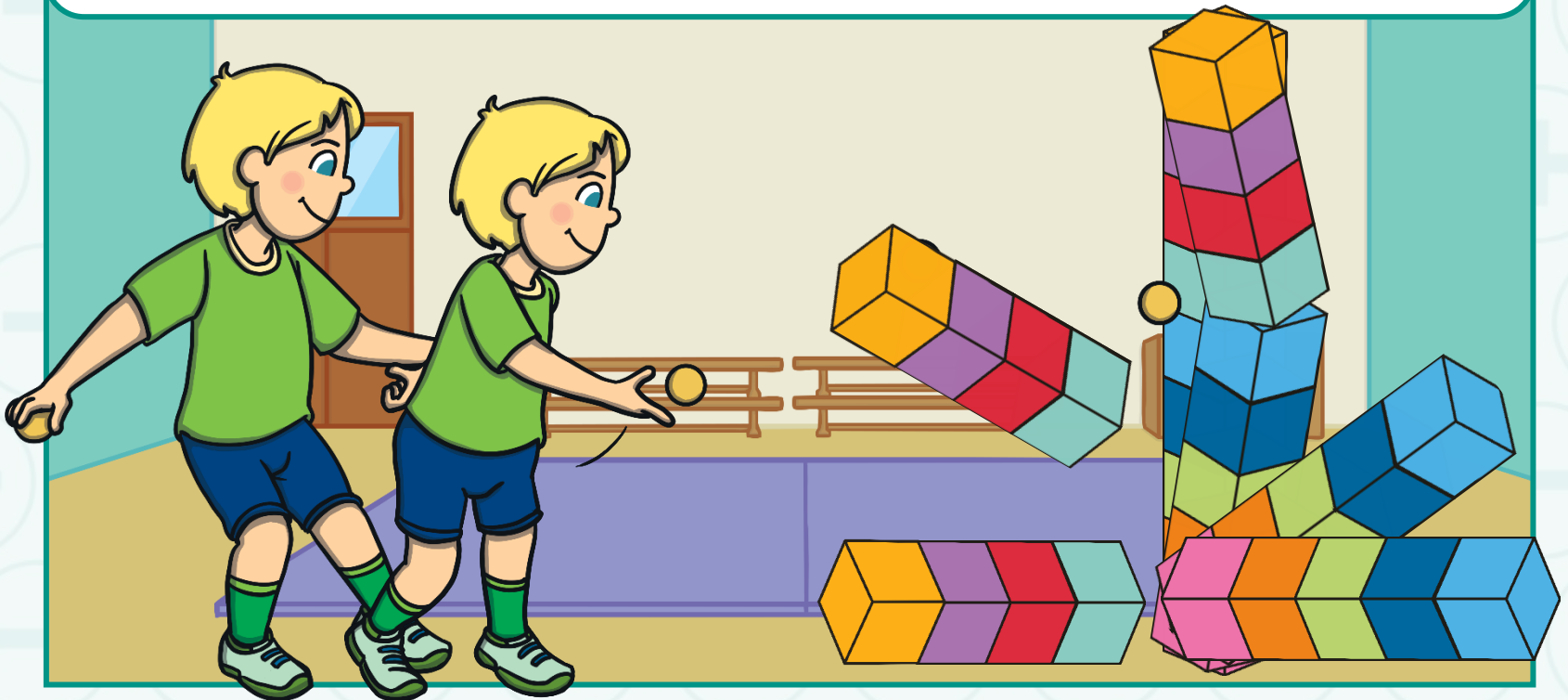
				
				



# Nine Cubes



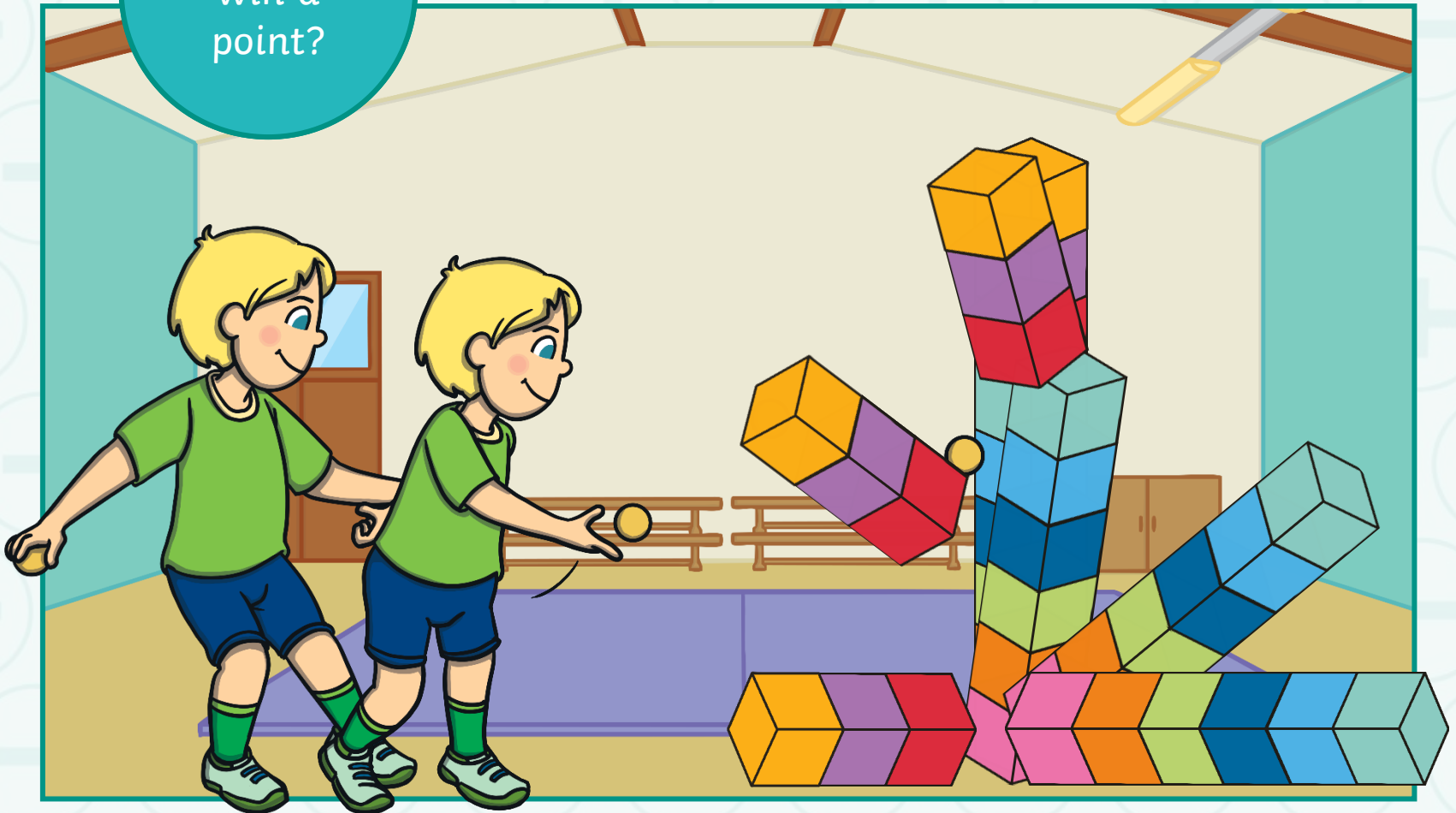
Build a tower of 9 cubes.  
When I shout "break", break your tower into 2 pieces.  
If your new towers match the towers on the slide, you win a point.



# Nine Cubes



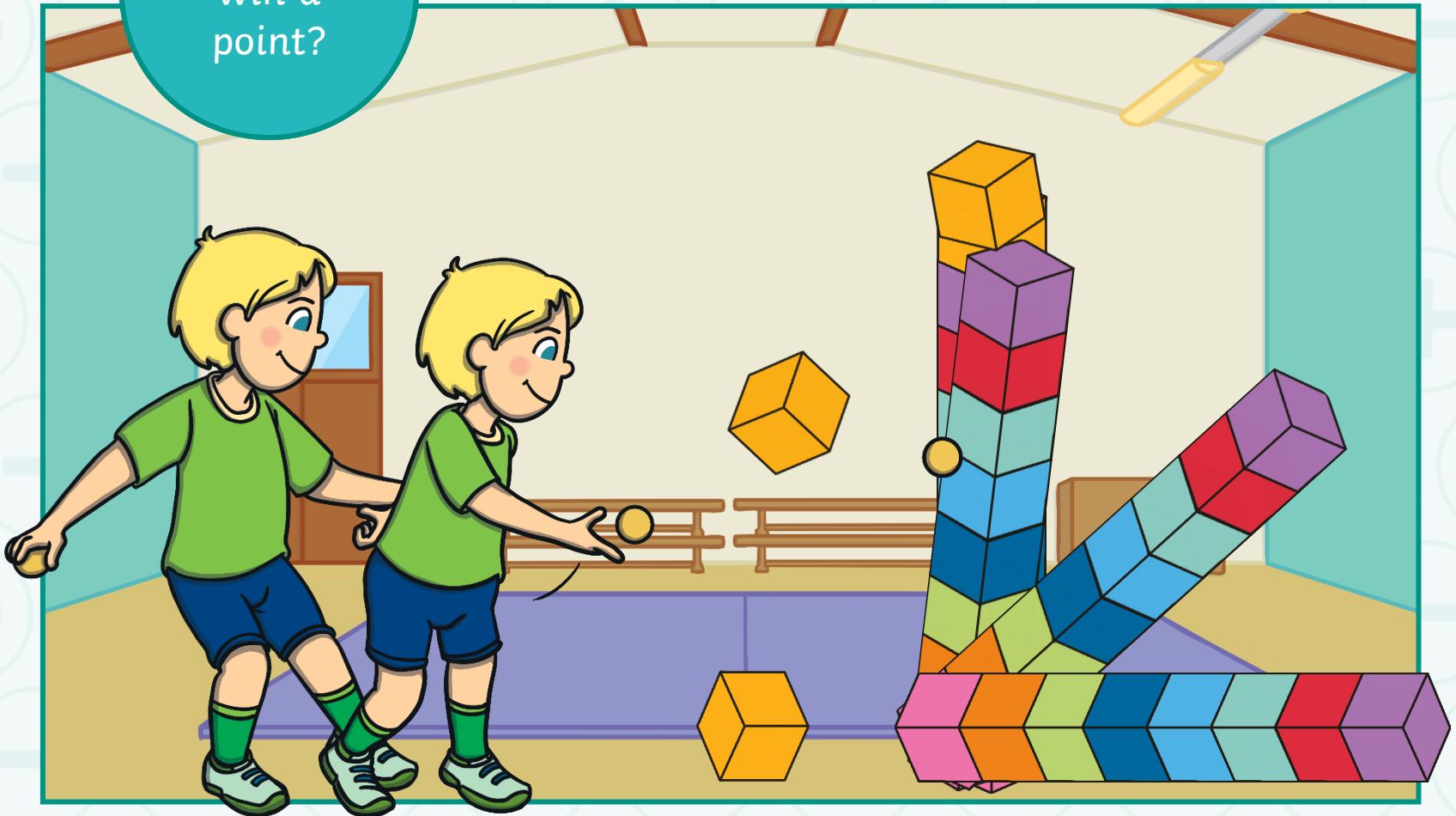
Did you  
win a  
point?



# Nine Cubes



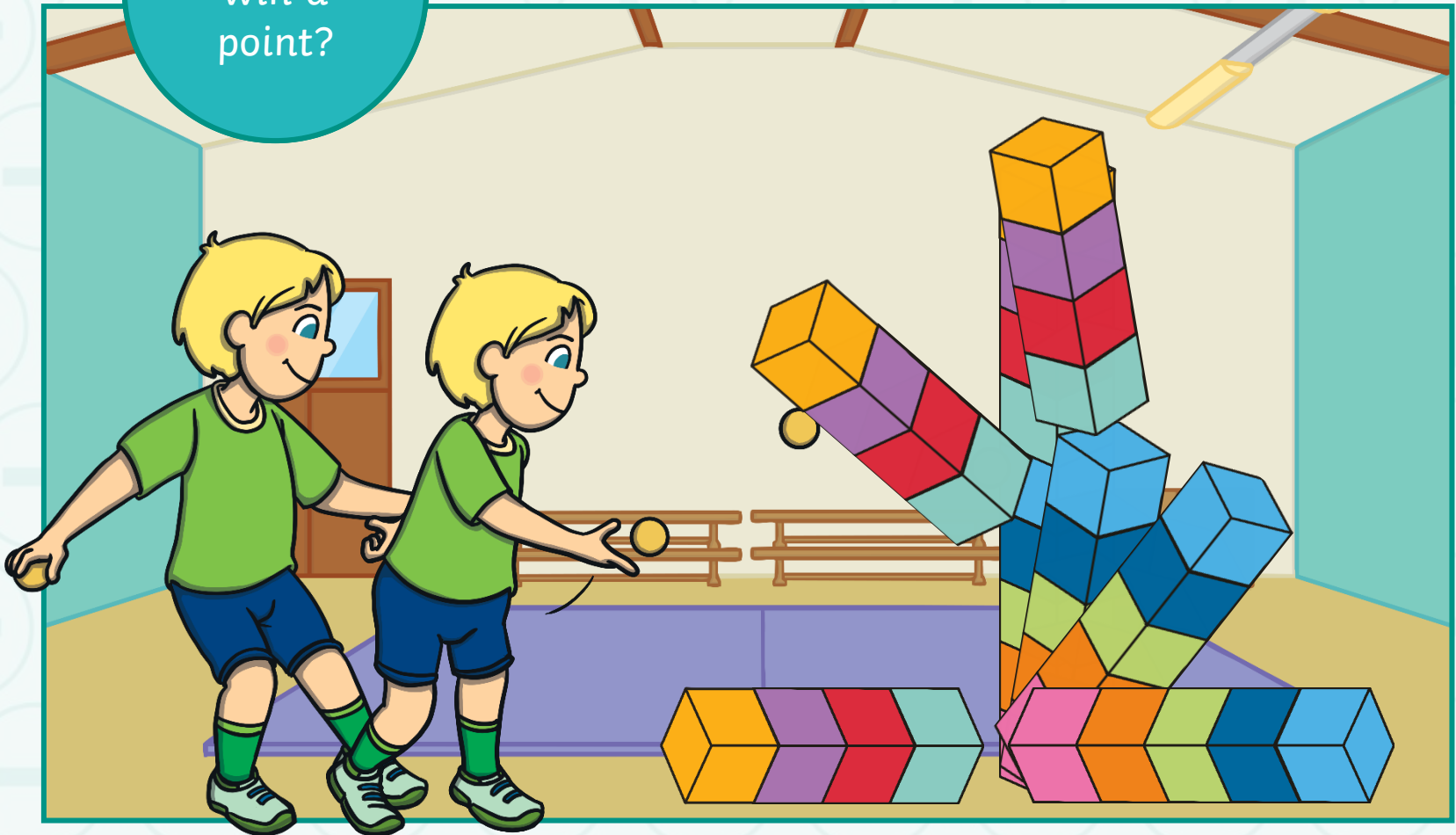
Did you  
win a  
point?



# Nine Cubes



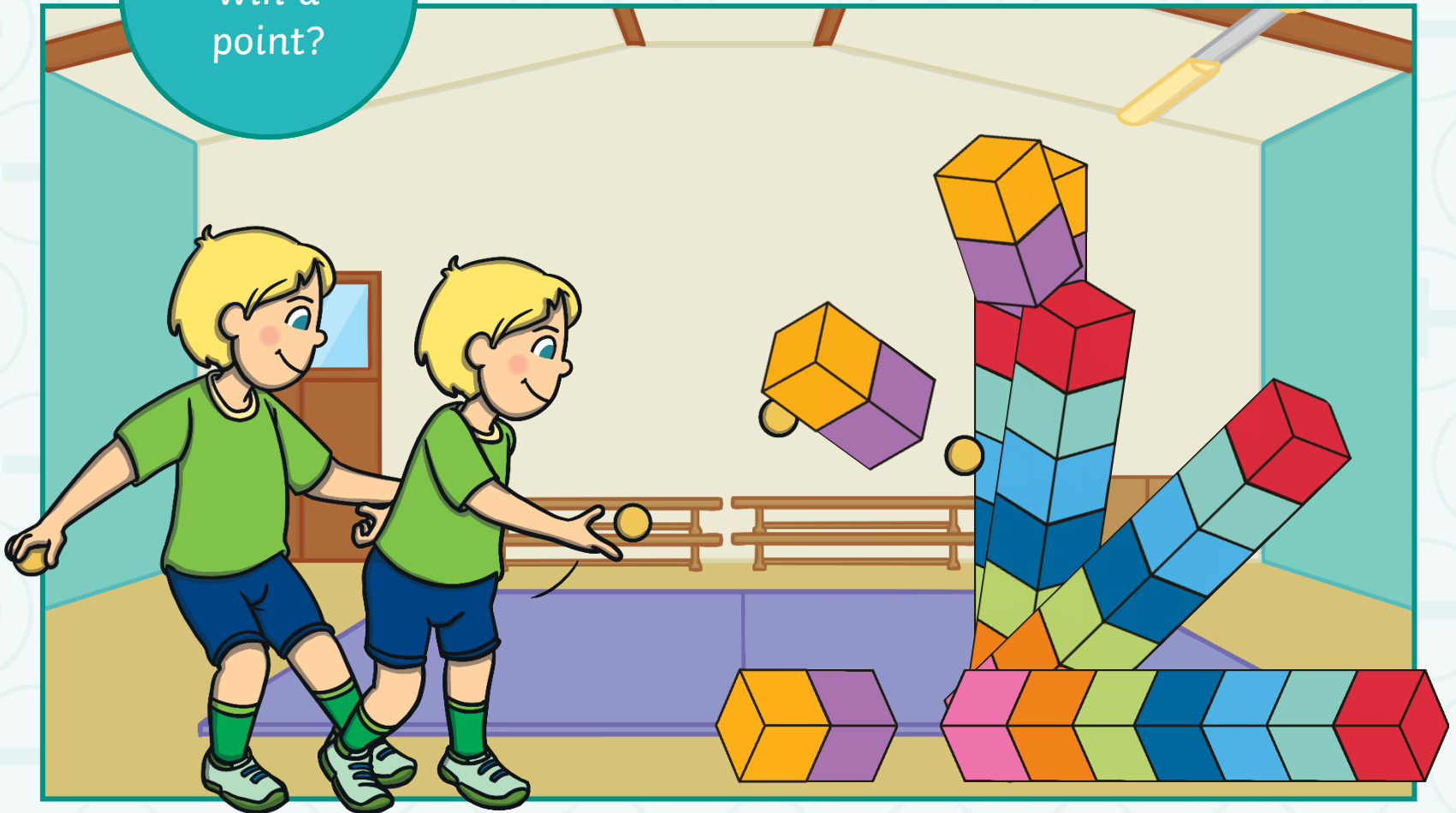
Did you  
win a  
point?



# Nine Cubes



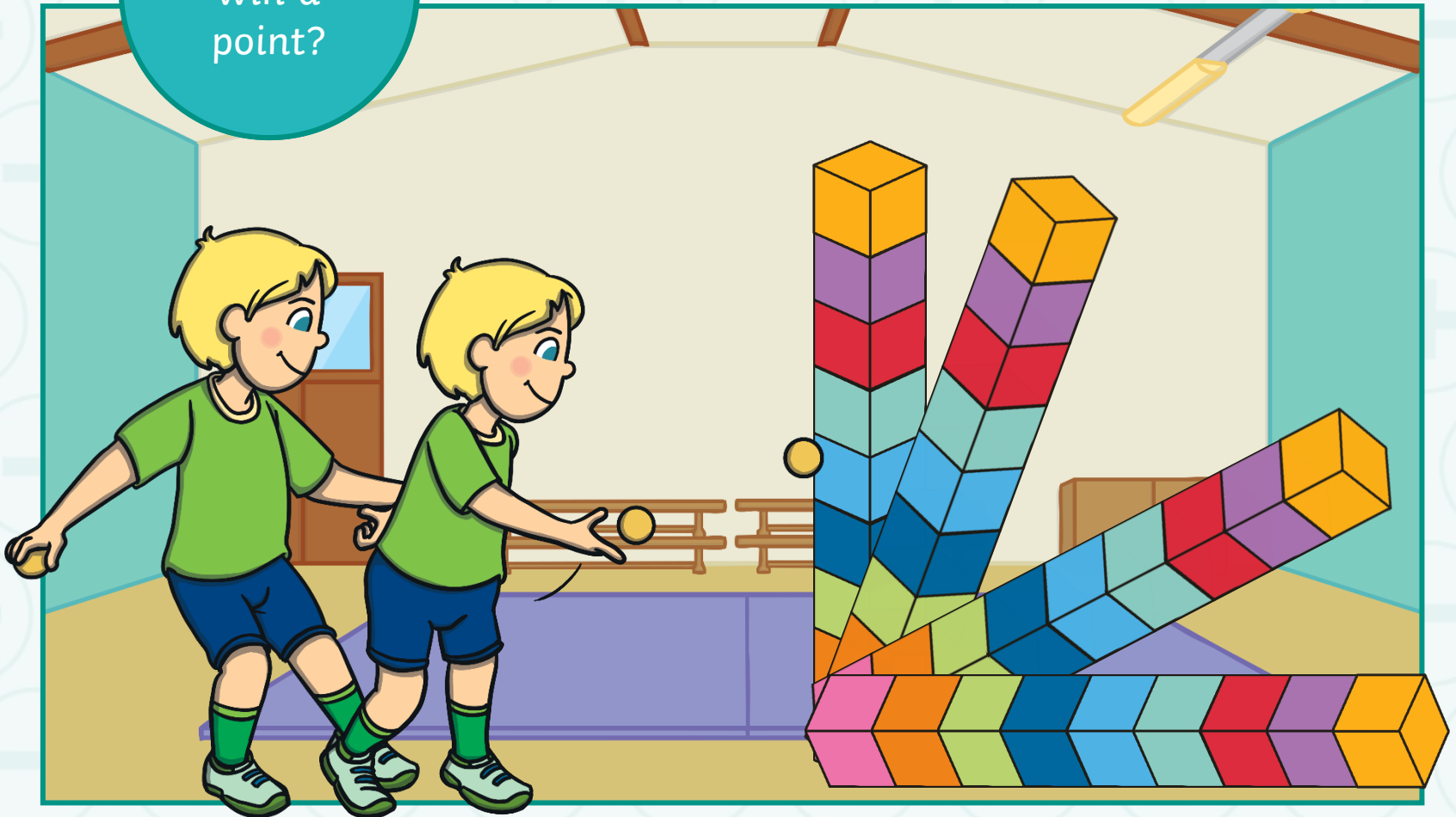
Did you  
win a  
point?



# Nine Cubes



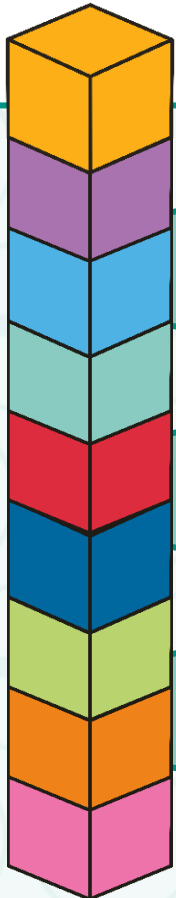
Did you  
win a  
point?



# Nine Cubes



Now I will choose someone to come to the front and break their tower in secret.



Does your combination match theirs?

Why not hide one of your towers?

Can your friends tell you how many cubes you are hiding?

# Representing Nine



There are lots of different ways to represent number bonds of 9.



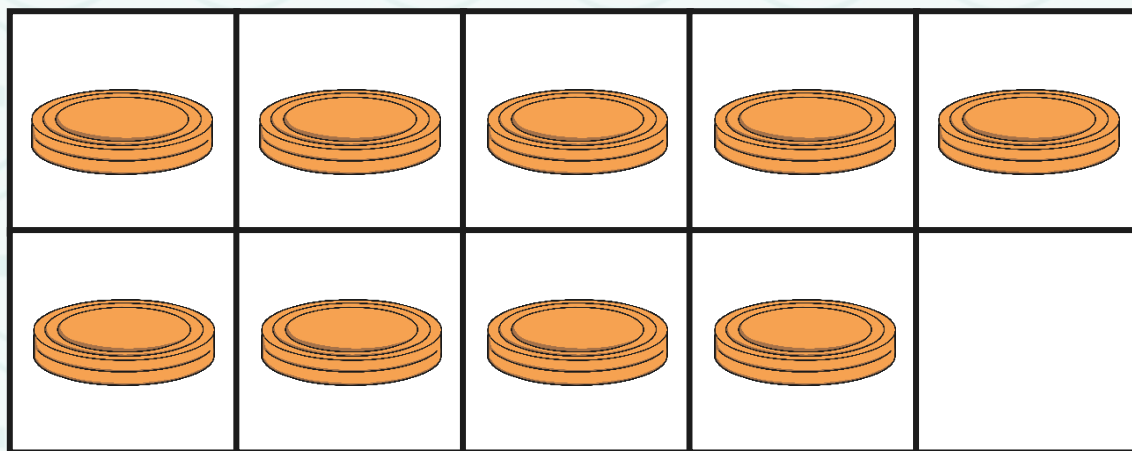
**9 and 0**



# Representing Nine



We could show number bonds of 9 with a ten-frame.

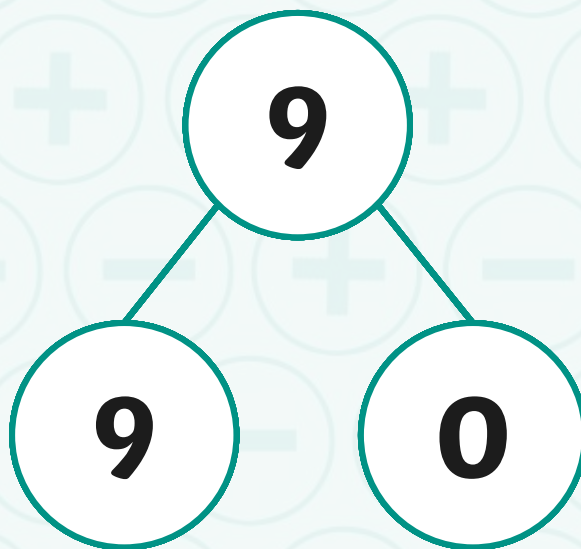


**9 and 0**

# Representing Nine



Or on a part-whole model.



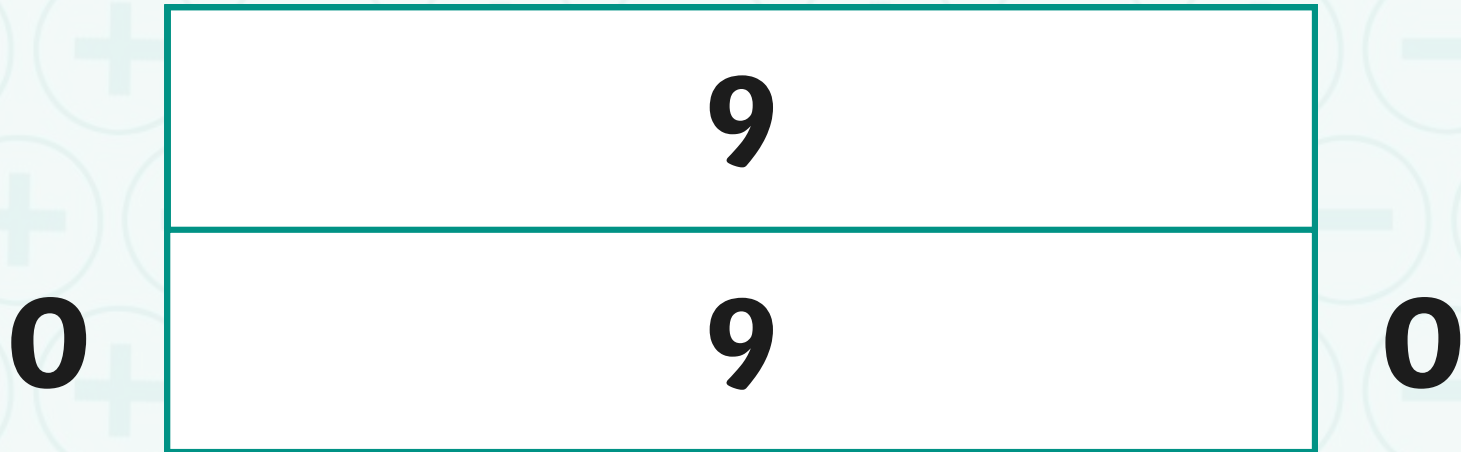
Did the top number change?

Why not?

# Representing Nine



We could use a bar model.



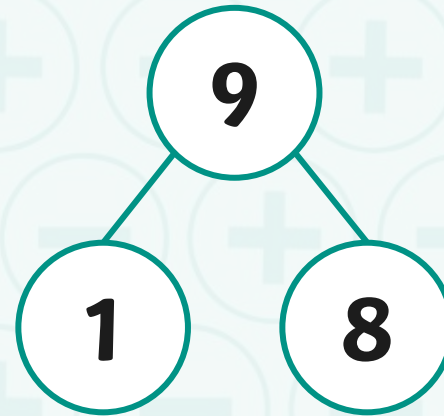
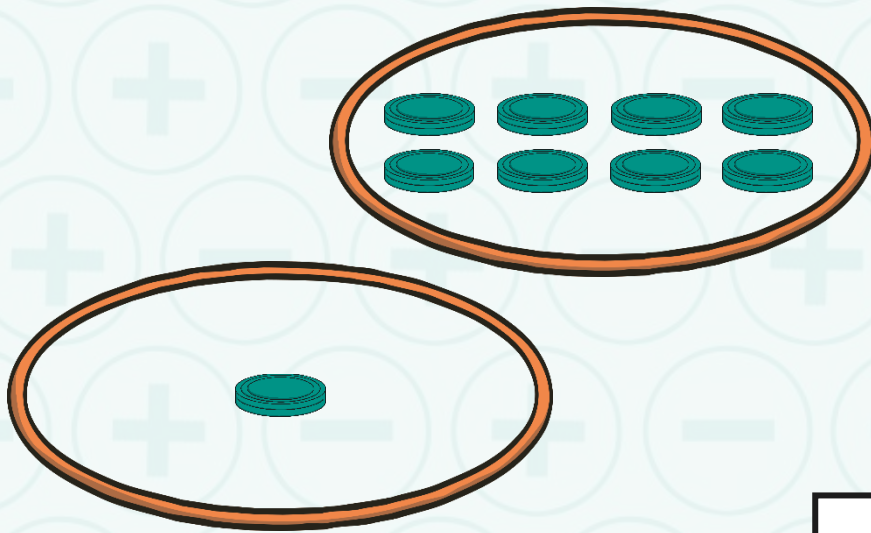
Did the top bar change?

What happened to the lower bars?

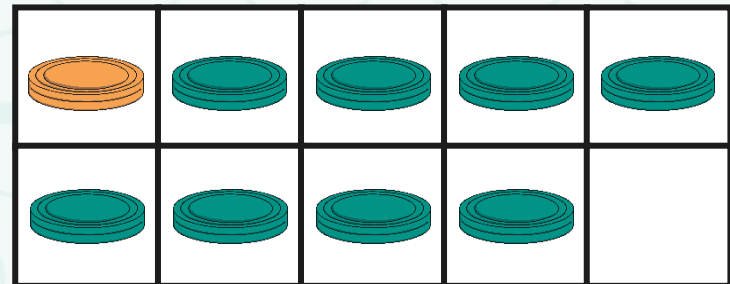
# Representing Nine



What is the same and what is different about these representations?



	9
1	8

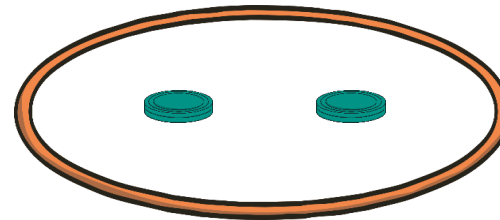
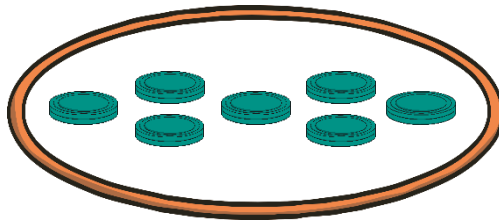


# Make It



Can you find a way to show this number bond of 9?

$$7 + 2 = 9$$

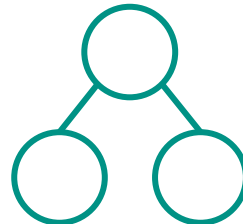


What will you choose to use?

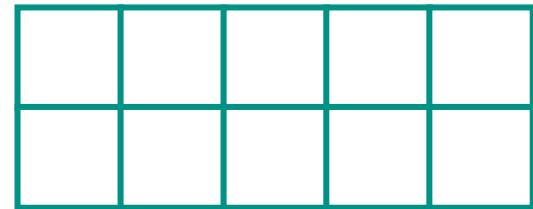
**Bar model**



**Part-whole model**



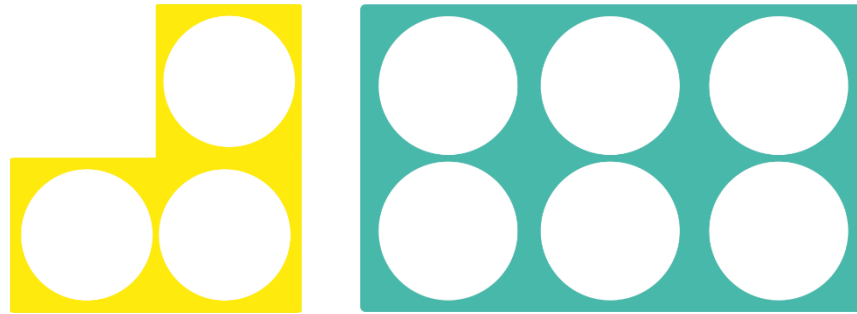
**Ten-frame**



# Make It



Can you find a way to show this number bond of 9?



What will you choose to use?

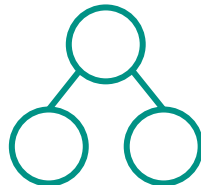
**Number sentence**



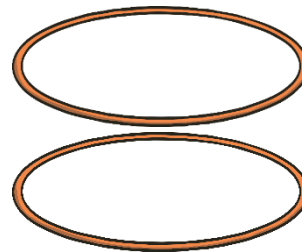
**Bar model**



**Part-whole model**



**Make groups**



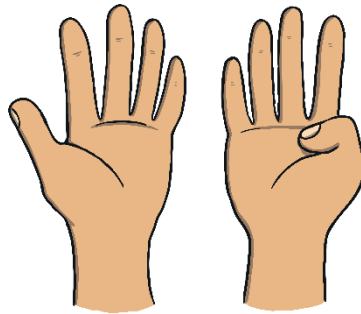
**Ten-frame**



# Make It



Can you find a way to show this number bond of 9?



What will you choose to use?

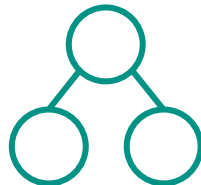
**Number sentence**



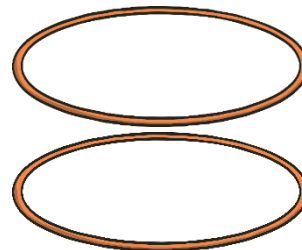
**Bar model**



**Part-whole model**



**Make groups**



**Ten-frame**



# Represent It



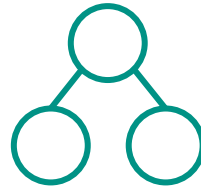
Pick a way to show all of the number bonds of 9.

**Number sentence**

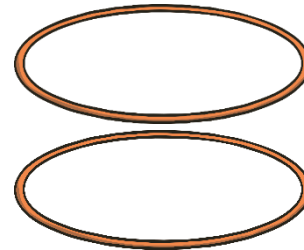
	+		=	
--	---	--	---	--

**Bar model**

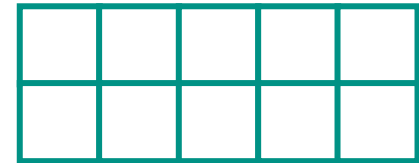

**Part-whole model**



**Make groups**



**Ten-frame**



How can you make sure you find them all?

## Represent It

To find and recall number bonds of 9.

Choose a way to represent the number bonds

1 + 8

Can you find all of the number bonds?

## Represent It

To find and recall number bonds of 9.

Choose at least 2 different ways to represent the num

1 + 8

Can you find all of the number bonds?

## Represent It

To find and recall number bonds of 9.

Choose different ways to represent the number bonds of 9.

1 + 8 = 9

Can you find all of the number bonds?




## Diving into Mastery

Dive in by completing your own activity!



**Find and Recall Number Bonds of 9**

Here is 1 way to make 9.




Draw a ring around the matching number sentence.

$8 + 1$     $4 + 5$     $3 + 6$

$0 + 9$     $2 + 7$

Make bar models to match these number sentences.



# How Did You Represent It?



Talk to your partner about all the ways you found number bonds of 9.  
Which way do you find most helpful?

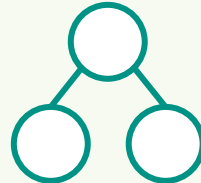
**Number sentence**

+	=
---	---

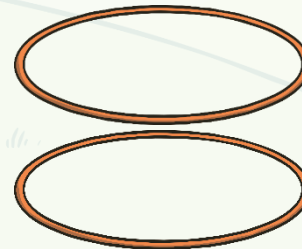
**Bar model**

--	--

**Part-whole model**



**Make groups**



**Ten-frame**

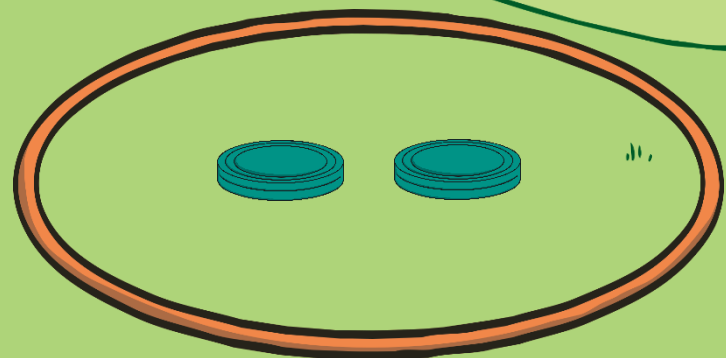
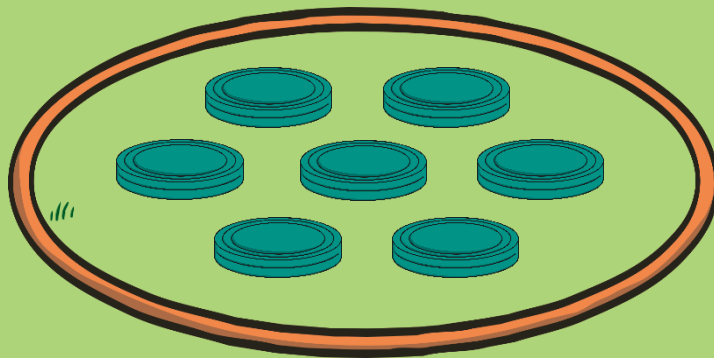



# Make Nine



Hold up the correct number of fingers to finish the number bonds of 9.

$$7 + 2 = 9$$

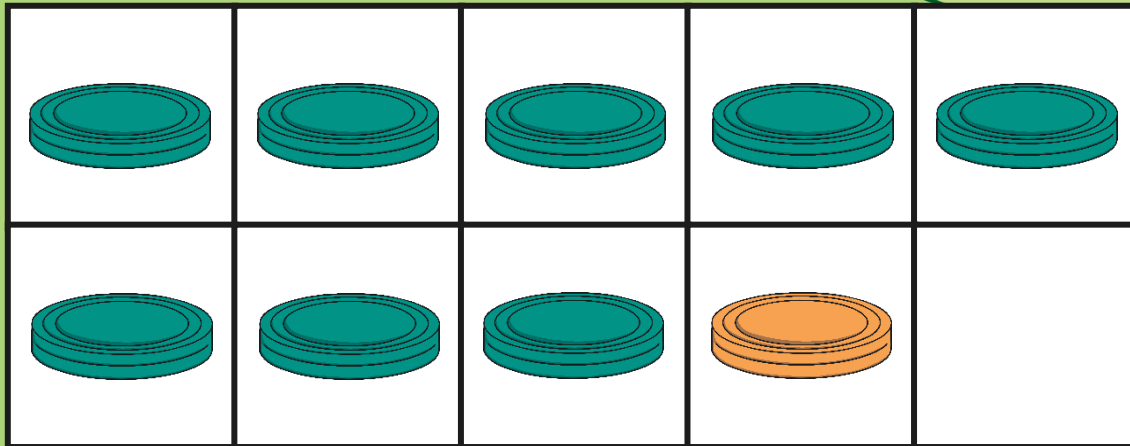


# Make Nine



Hold up the correct number of fingers to finish the number bonds of 9.

$$8 + 1 = 9$$



# Make Nine



Hold up the correct number of fingers to finish the number bonds of 9.

$$9 = 6 + 3$$

9

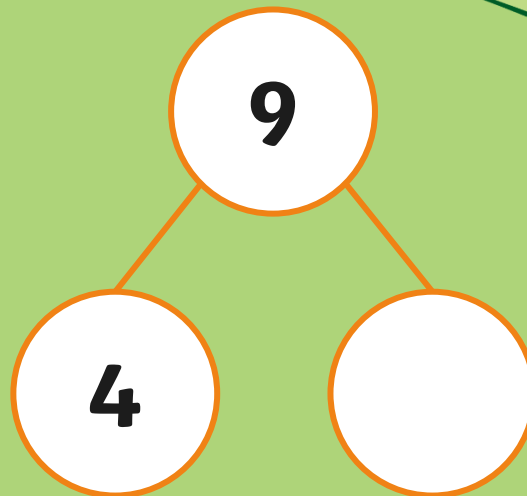
6

# Make Nine



Hold up the correct number of fingers to finish the number bonds of 9.

$$9 = 4 + 5$$



# Aim

- To find and recall number bonds of 9.

# Success Criteria

- I can find number bonds of 9 by adding two numbers.
- I can recall number bonds of 9.
- I can work systematically to find all possibilities.

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