



# Maths

Unit Title

# Three Numbers

1 2 3



# Aim

- I can add three 1-digit numbers.

# Success Criteria

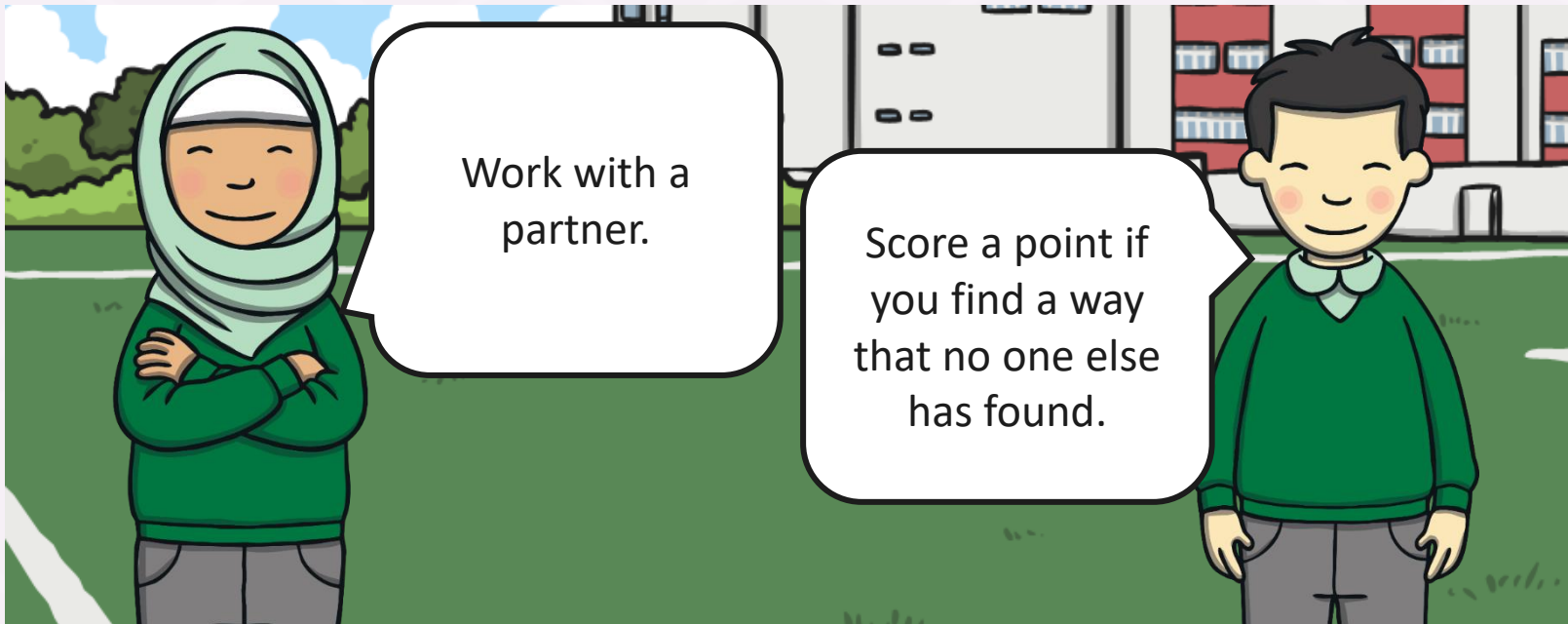
- I can spot known facts.
- I can decide which numbers to add first.
- I can reason about numbers.

# Make Me



I am the number **6**

How many ways can you find to make me by adding 2 or more numbers together?

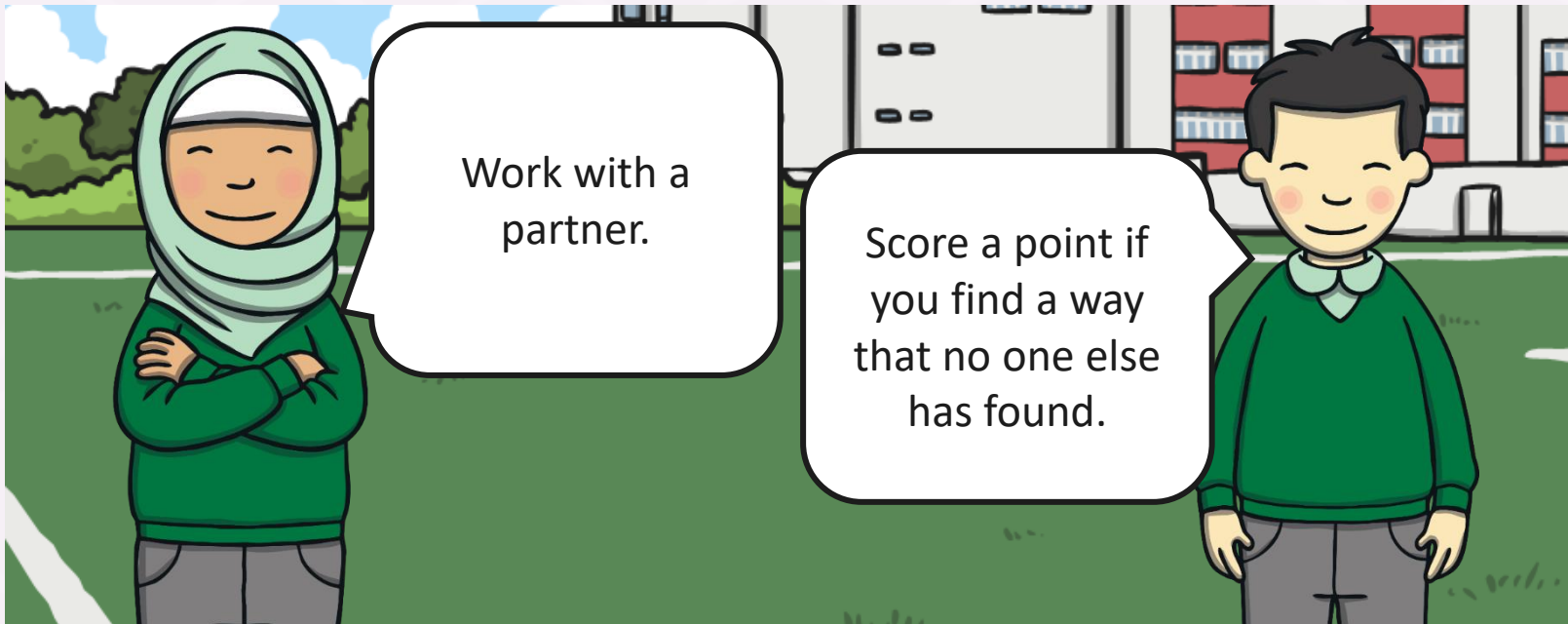


# Make Me



I am the number 8

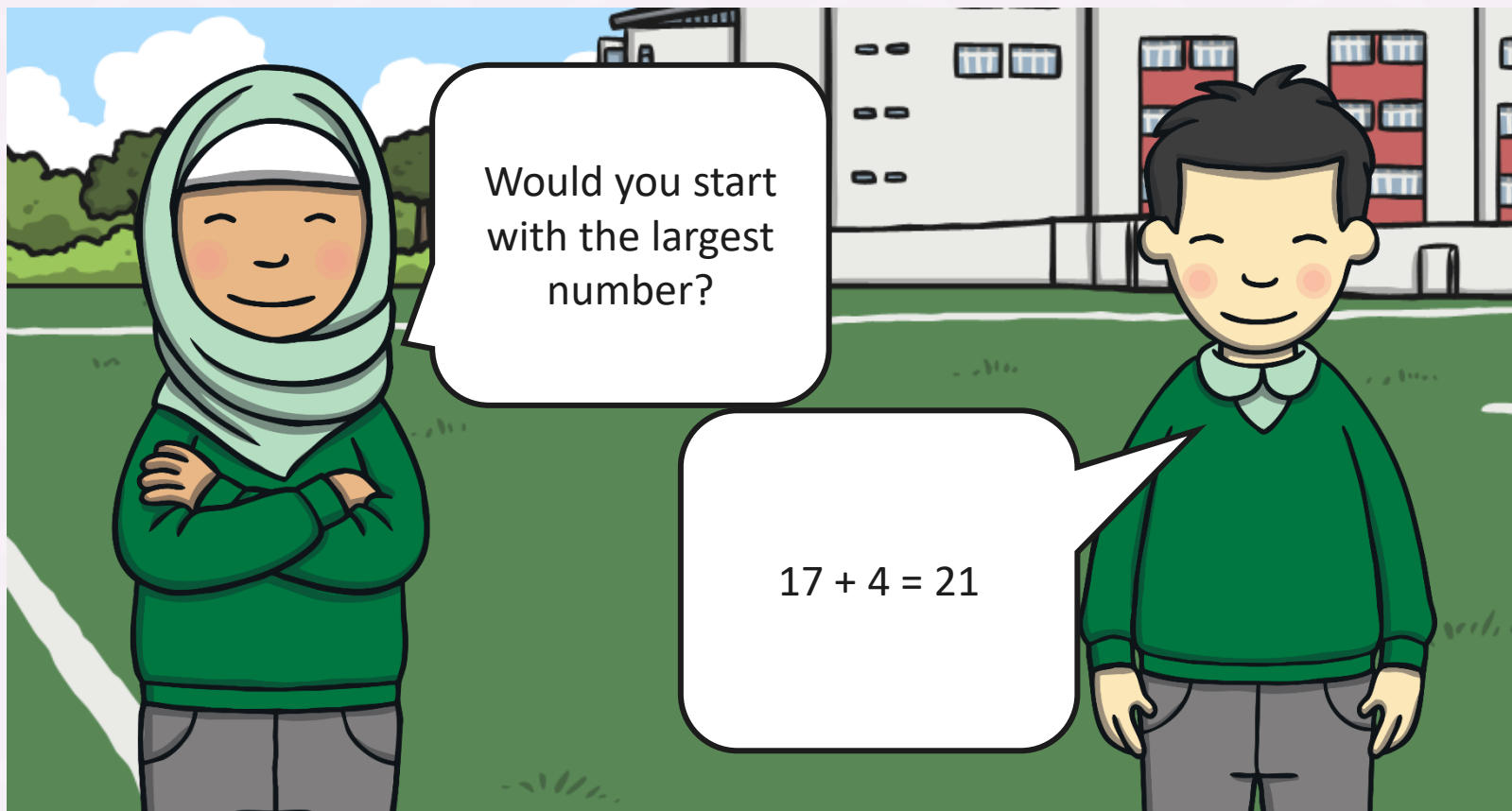
How many ways can you find to make me by adding 2 or more numbers together?



# How Would You Add?



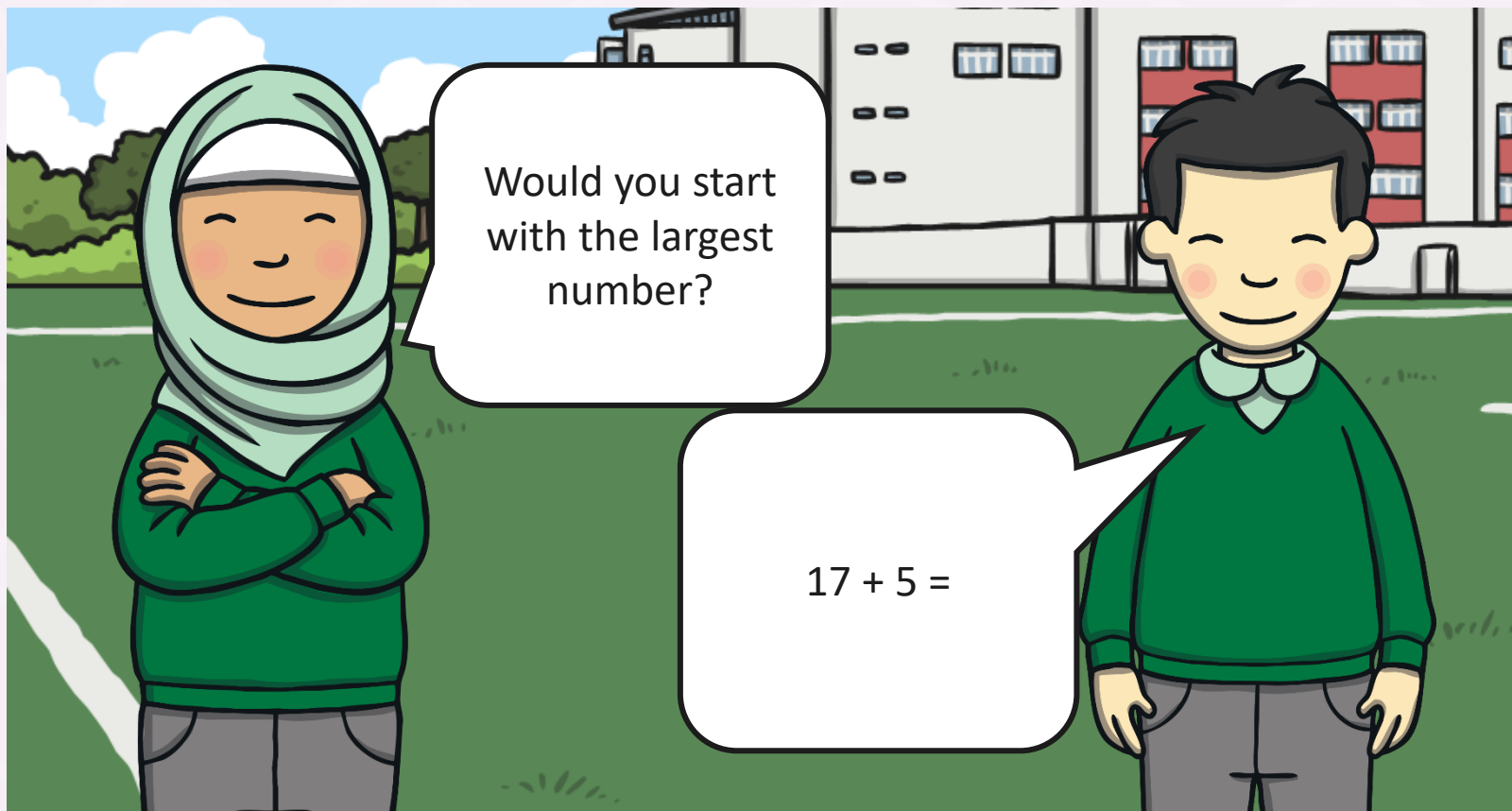
$$4 + 17 = 21$$



# How Would You Add?



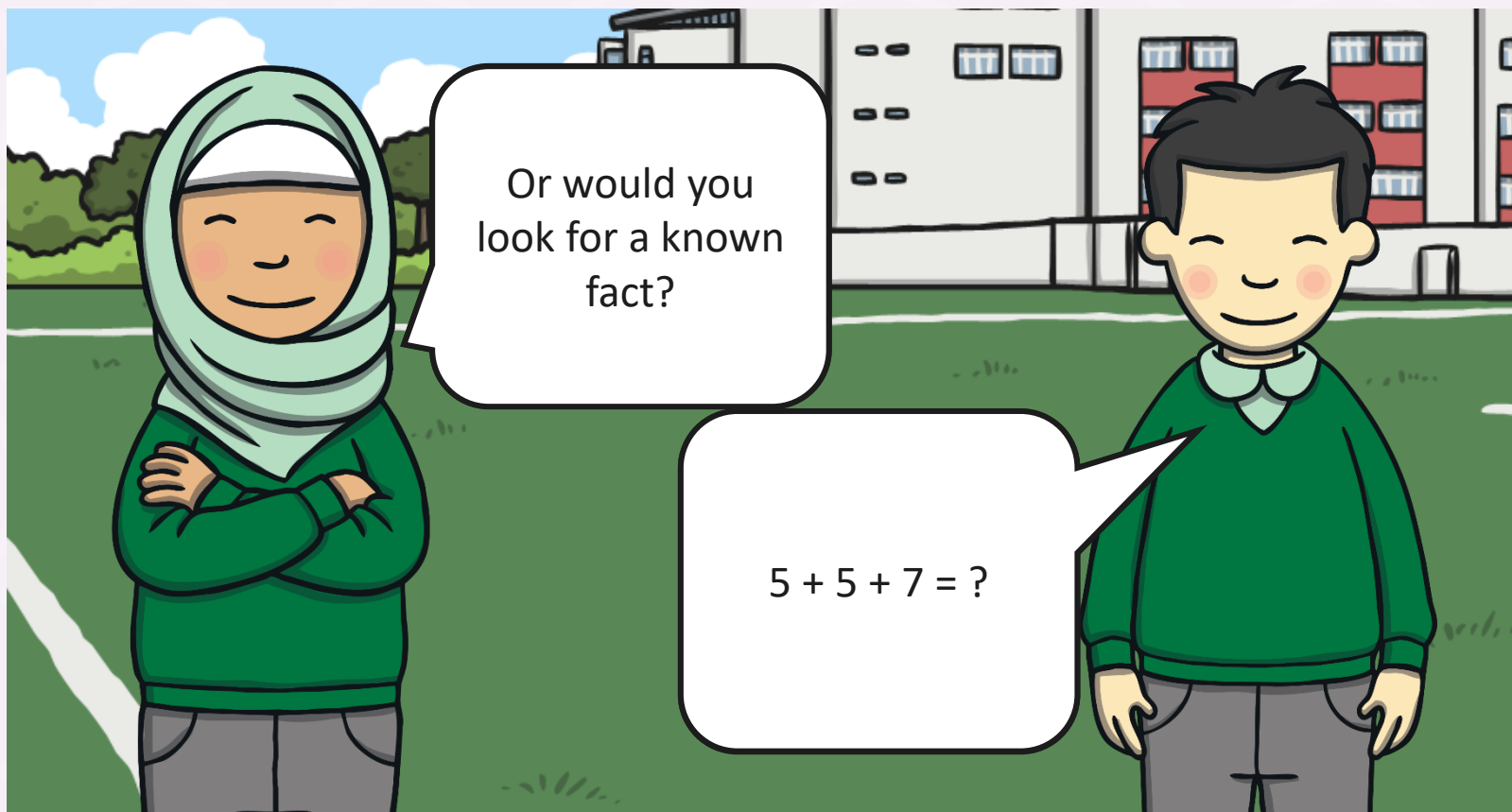
$$5 + 17 = 22$$



# How Would You Add?



$$5 + 7 + 5 = 17$$





# How Would You Add?



$$16 + 7$$

$$4 + 24$$

$$6 + 6 + 8$$

$$2 + 2 + 4$$

When would you start with the biggest number?

When is it better to not start with the largest number?

# How Would You Add?



$$16 + 7 = 23$$

$$4 + 24 = 28$$

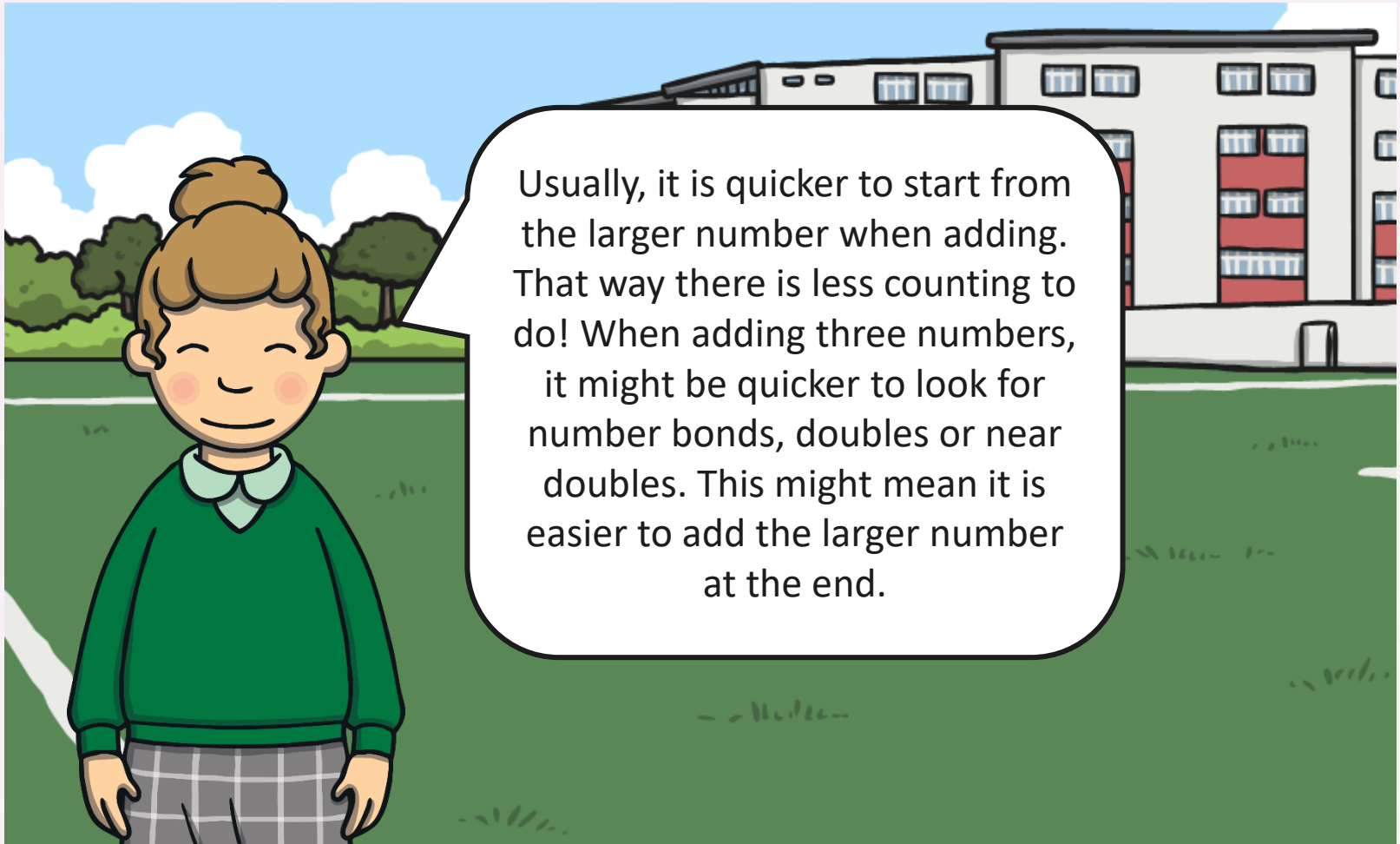
$$6 + 6 + 8 = 20$$

$$2 + 2 + 4 = 8$$

Explain the strategies you used each time.

Are the strategies different when adding more than 2 numbers?

# Number Bonds



Usually, it is quicker to start from the larger number when adding. That way there is less counting to do! When adding three numbers, it might be quicker to look for number bonds, doubles or near doubles. This might mean it is easier to add the larger number at the end.

# Use Three Numbers to Make...



7

**Hint!** Keep a number in the same place for as long as you can.



How many ways can you find?

$$0 + 0 + 7$$

$$0 + 1 + 6$$

$$0 + 2 + 5$$

$$0 + 3 + 4$$

$$1 + 1 + 5$$

$$1 + 2 + 4$$

$$1 + 3 + 3$$

$$2 + 2 + 3$$

$0 + 3 + 4$   
is the same as  
 $4 + 3 + 0$



# Three Numbers Activity



## Three Numbers

I can add three 1-digit numbers.

Work with a partner and discuss the best ways to add these numbers.

You could change the order of the numbers or add known facts first!

1.  $4 + 8 + 4 =$
2.  $5 + 6 + 7 =$
3.  $9 + 5 + 8 =$
4.  $6 + 7 + 7 =$
5.  $7 + 5 + 9 =$

Now find as many ways as you can to make 14 by adding 3 numbers together.  
Try to find a pattern.



## Three Numbers

I can add three 1-digit numbers.

Work with a partner and discuss the best ways to add these numbers.

You could change the order of the numbers or add known facts first!

Now find as many ways as you can to make 11 by adding 3 numbers together.  
Try to find a pattern.

## Three Numbers

I can add three 1-digit numbers.

Work with a partner and discuss the best ways to add these numbers.

You could change the order of the numbers or add known facts first!

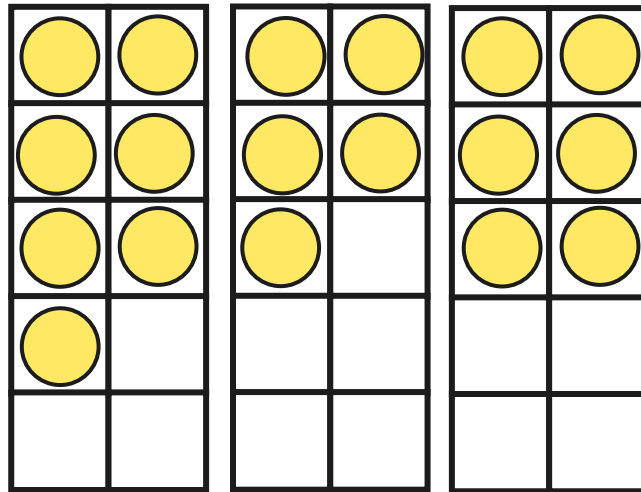
Now find as many ways as you can to make 9 by adding 3 numbers together.  
Try to find a pattern.

# Strategies



What strategies did you find useful today?

How would you add  $7 + 5 + 6$ ?



If we move one counter, we can add 7 and 7, then 4 more.

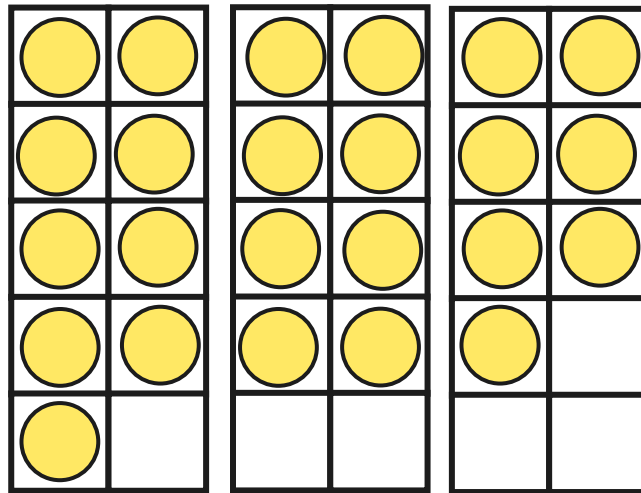
$$14 + 4 = 18$$



# Strategies



How would you add  $9 + 8 + 7$ ?



If we move one counter, we can add the 9 and 9, then 6 more.

$$18 + 6 = 24$$



# Aim



- I can add three 1-digit numbers.

# Success Criteria

- I can spot known facts.
- I can decide which numbers to add first.
- I can reason about numbers.



