

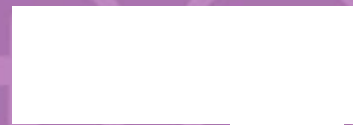


# Maths

Addition and Subtraction

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

# Add Across Ten



# Aim

- To add across 10.

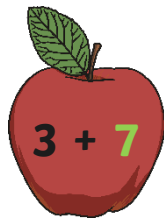
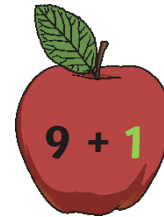
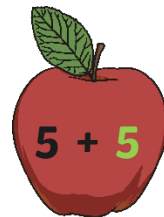
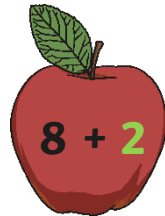
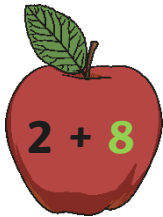
# Success Criteria

- I can recall number facts of 10.
- I can use ten-frames to add across 10.
- I can use part-whole models to add across 10.

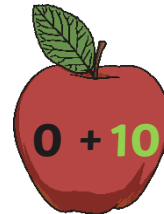
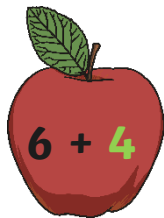
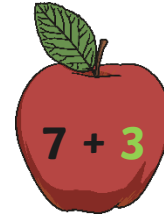
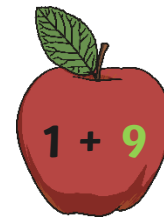
# Remember It



Do you remember number facts of ten?  
Pick an apple and hold up your fingers to show the missing part.



10



Click on the apple to reveal the answer.



# Pack It

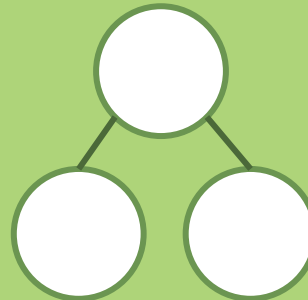
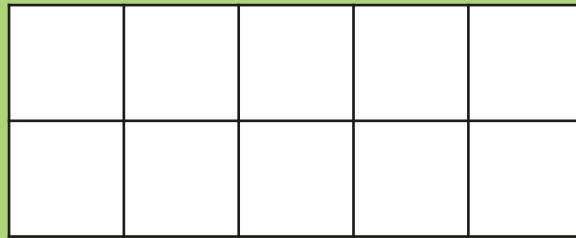


We can still use number facts of 10 to help us find the total.

Let's use ten-frames and part-whole models to help us.

Frank

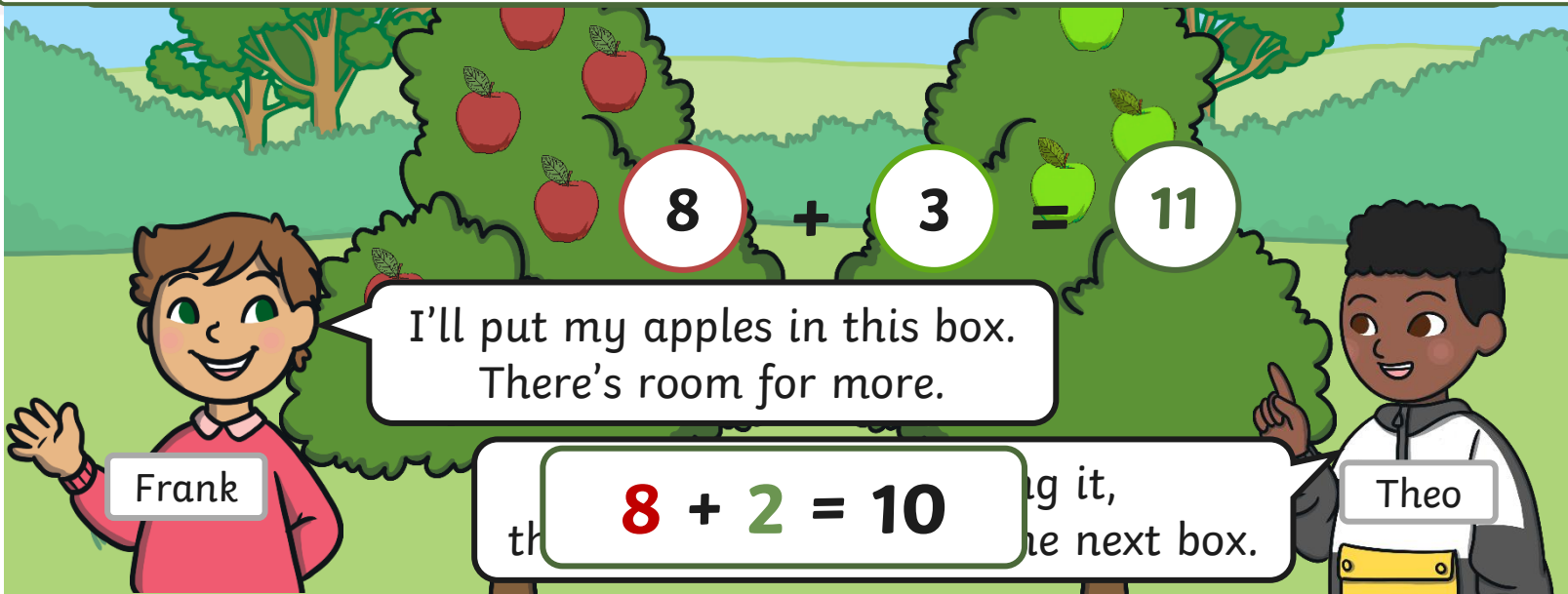
Theo



# Pack It



Frank and Theo are picking apples. Each box can hold ten apples.



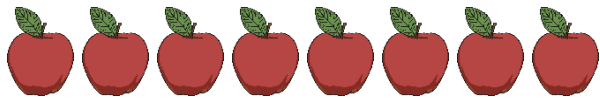

$10 + 1$


# Pack It



Frank and Theo made a number fact of ten.

Then they added the other part.



$$8 + 3 = 11$$

A dashed red box encloses the number 8 and a circled number 2. A line connects the circled 2 to the plus sign. Another circled number 1 has a line connecting it to the equals sign.



$$8 + 2 = 10$$

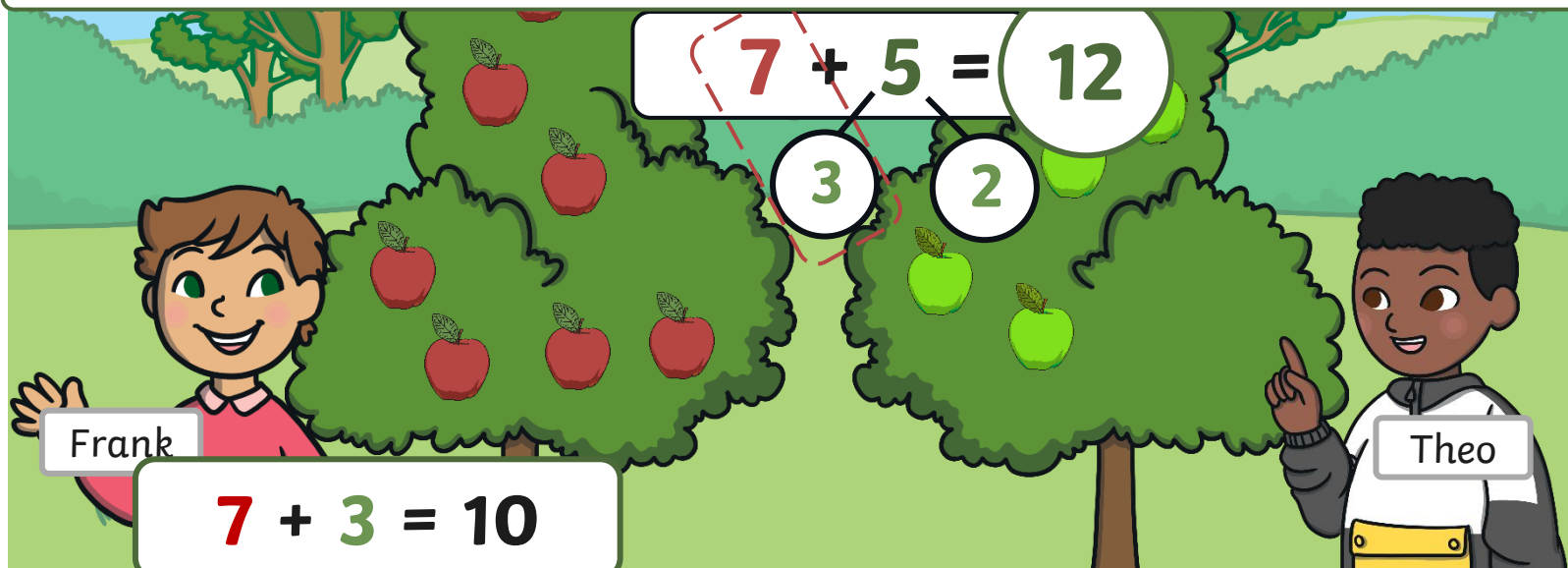

$$10 + 1$$




# Pack It



They added across ten by making a number fact of ten then added the other part.

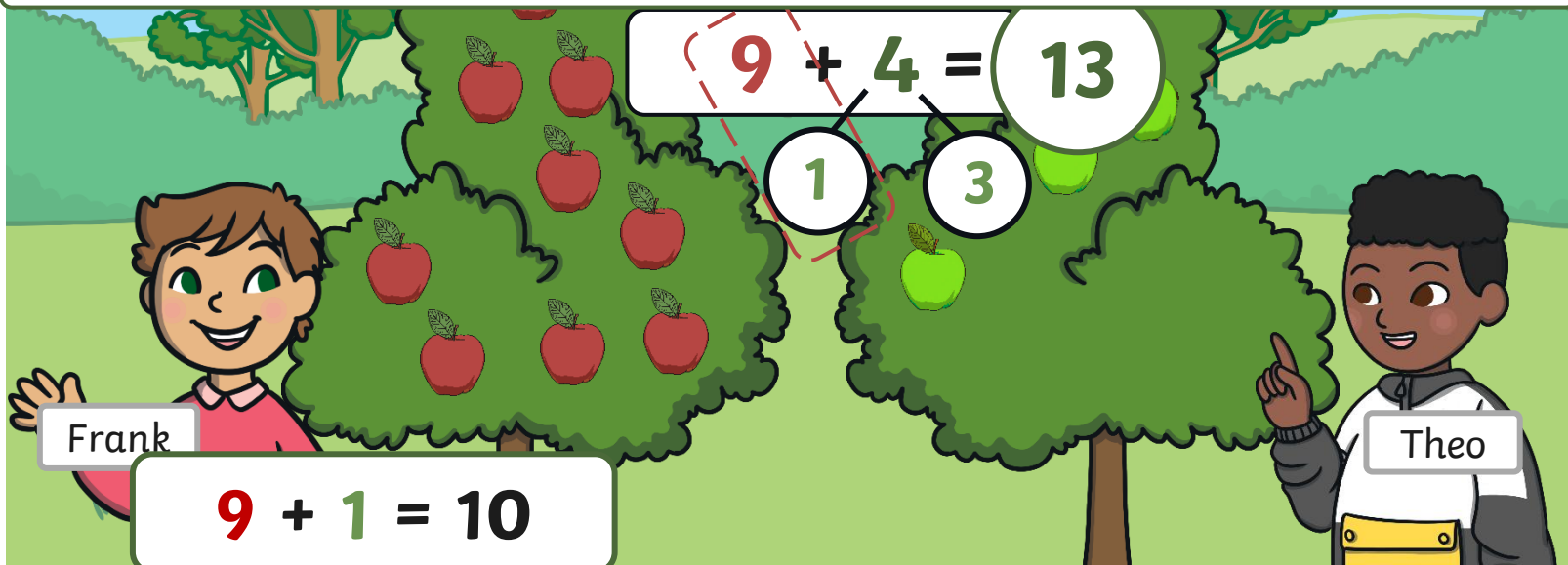



$10 + 2$


# Pick It



They added across ten by making a number fact of ten.  
Then they added the other part.

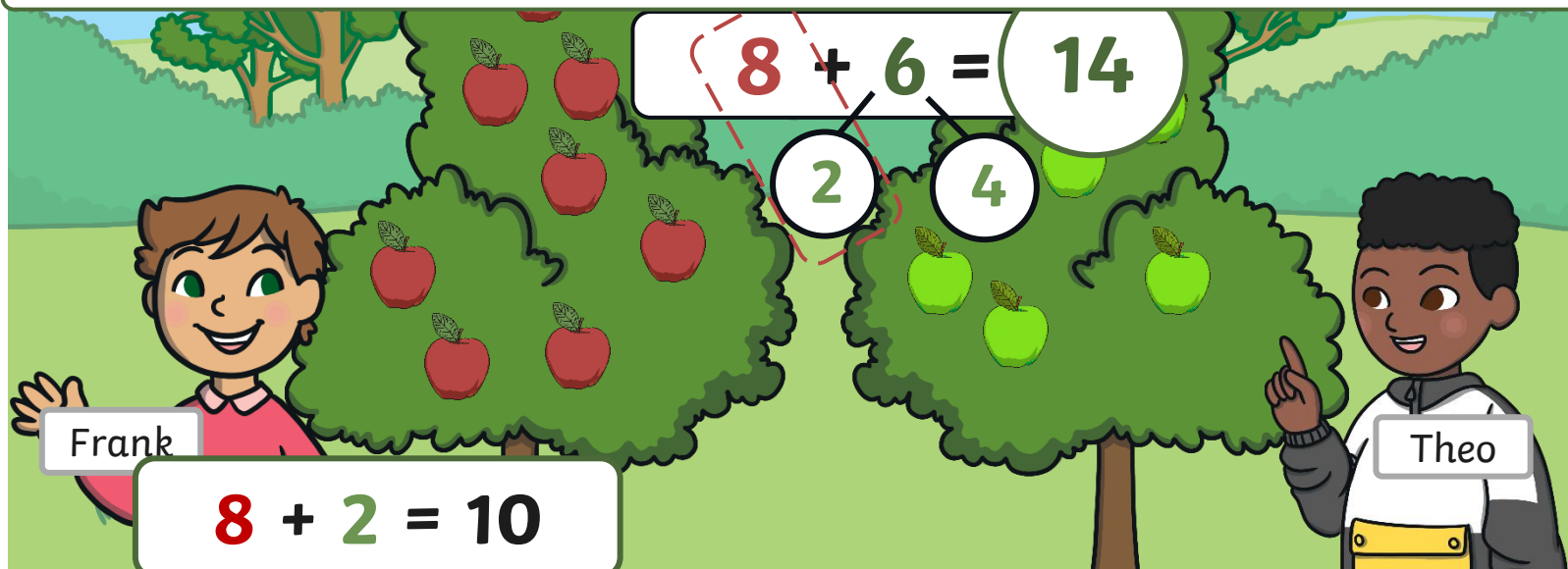



$10 + 3$


# Pack It



They added across ten by making a number fact of ten and then added the other part.




$10 + 4 = 14$


# Try It



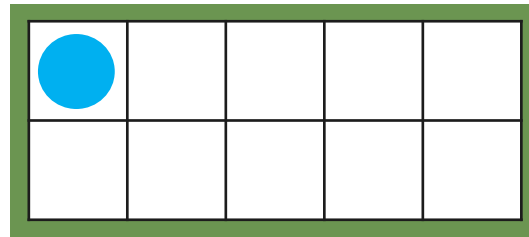
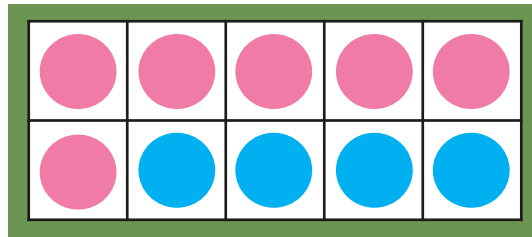
Find 6 counters in one colour and 5 counters in another colour.

$$6 + 5 = 11$$

Diagram showing the decomposition of 6 and 5. The number 6 is circled in blue, with a line connecting it to a smaller blue circle containing the number 4. The number 5 is circled in blue, with a line connecting it to a smaller blue circle containing the number 1.

Add 10 and 1 to find the total.  
next ten frame.

$$10 + 1$$



# Try It



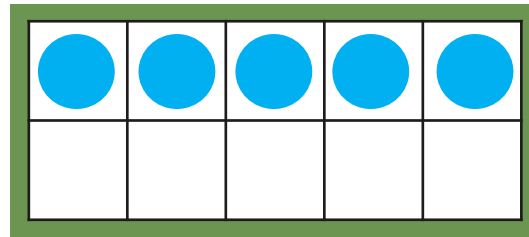
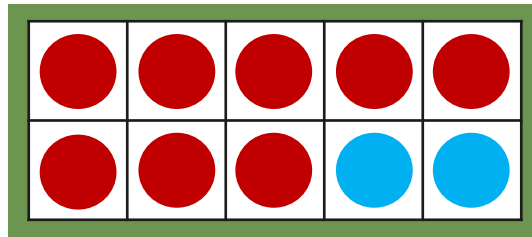
Pick 8 counters in one colour and 7 counters in another colour.

$$8 + 7 = 15$$



Add 10 and 5 to find the total.  
next ten frame.

$$10 + 5$$



# Try It

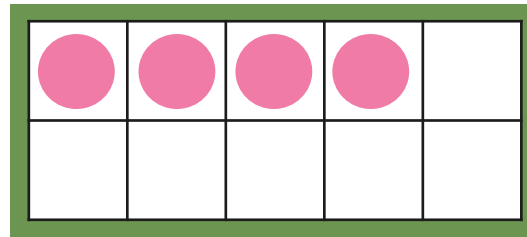
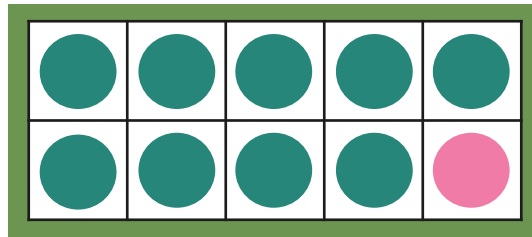


Pick 9 counters in one colour and 5 counters in another colour.

$$9 + 5 = 14$$

1      4

Put the remaining counters here.



# Try It

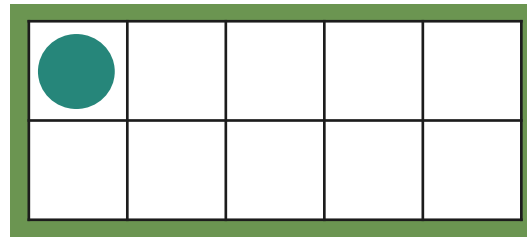
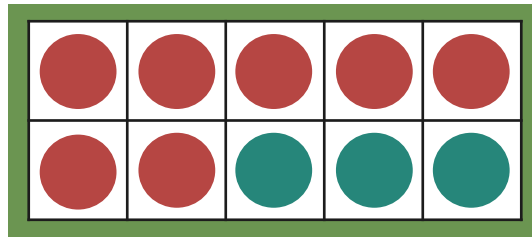


Pick 7 counters in one colour and 4 counters in another colour.

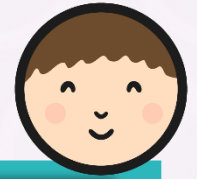
$$7 + 4 = 11$$

Diagram showing the decomposition of the addends: a line connects the 7 to a circle containing 3, and another line connects the 4 to a circle containing 1.

Add the ten with the ones to find the total.



# Add Across 10 Activity Sheets



## Add across 10

I can add across 10.

$9 + 6 = 15$

1 5

Make ten, then add the ones.

$7 + 6 = \square$

$9 + 8 = \square$

$8 + 8 = \square$

## Add across 10

I can add across 10.

$9 + 2 = 11$

1 1

Make ten, then add the ones.

$7 + 5 = \square$

$9 + 4 = \square$

$8 + 8 = \square$

## Add across 10

I can add across 10.

$8 + 3 = 11$

2 1

Make ten, then add the ones.

$8 + 4 = \square$

$9 + 3 = \square$

$6 + 6 = \square$

$9 + 2 = \square$

$6 + 5 = \square$

$7 + 4 = \square$

$8 + 5 = \square$



## Diving into Mastery

Dive in by completing your own activity!

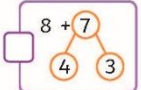
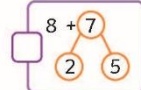
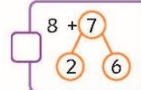


### Add Across 10

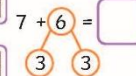
Tick the part-whole model that matches the ten-frame.



$8 + 7 = \square$



Tick the ten-frames that match representation.

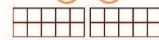


Complete the ten-frames to match the representation.

$9 + 4 = \square$



$7 + 7 = \square$



Write the missing numbers.

$8 + 3 = \square$



$9 + 5 = \square$



# Try It



Match the calculations with the ten-frames.

$6 + 7 = 13$

A ten-frame with 6 red apples in the top row and 7 green apples in the bottom row. A dashed red line encloses 4 red apples and 3 green apples. A green triangle connects the 4 and 3.

A ten-frame with 6 red apples in the top row and 1 green apple in the bottom-left cell.

$6 + 5 = 11$

A ten-frame with 6 red apples in the top row and 5 green apples in the bottom row. A dashed red line encloses 4 red apples and 1 green apple. A green triangle connects the 4 and 1.

A ten-frame with 6 red apples in the top row and 2 green apples in the bottom-left and bottom-middle cells.

$6 + 6 = 12$

A ten-frame with 6 red apples in the top row and 6 green apples in the bottom row. A dashed red line encloses 4 red apples and 2 green apples. A green triangle connects the 4 and 2.

A ten-frame with 6 red apples in the top row and 3 green apples in the bottom-left, bottom-middle, and bottom-right cells.

# Aim



- To add across 10.

# Success Criteria

- I can recall number facts of 10.
- I can use ten-frames to add across ten.
- I can use part-whole models to add across ten.

