

FRIENDS OF 10 - INFORMAL.

INVESTIGATIONS OVERVIEW PAGE

THIS PAGE IS A SUMMARY OF THE INVESTIGATIONS THAT STUDENTS MAY ENGAGE IN TO DEEPEN THEIR RELATIONAL UNDERSTANDING. INVESTIGATIONS WITH INSTRUCTIONS TO STUDENTS FOLLOW ON SUBSEQUENT PAGES.

- In pairs, children place counters onto a 10 frame. They ask their partner the questions as appropriate:
 - ▶ How many counters in the top row? How do you know?
 - ▶ How many counters in the bottom row? How do you know?
 - ▶ How many counters altogether? How do you know?

Reflection: How can we tell how many counters are on a 10 frame?

- In pairs, children place counters onto a 10 frame. They ask their partner the questions as appropriate:
 - ▶ How many counters in the top row? How do you know?
 - ▶ How many counters in the bottom row? How do you know?
 - ▶ How many counters altogether? How do you know?
 - ▶ How many more to make 10? How do you know?
 - ▶ What is ___'s friend of 10?

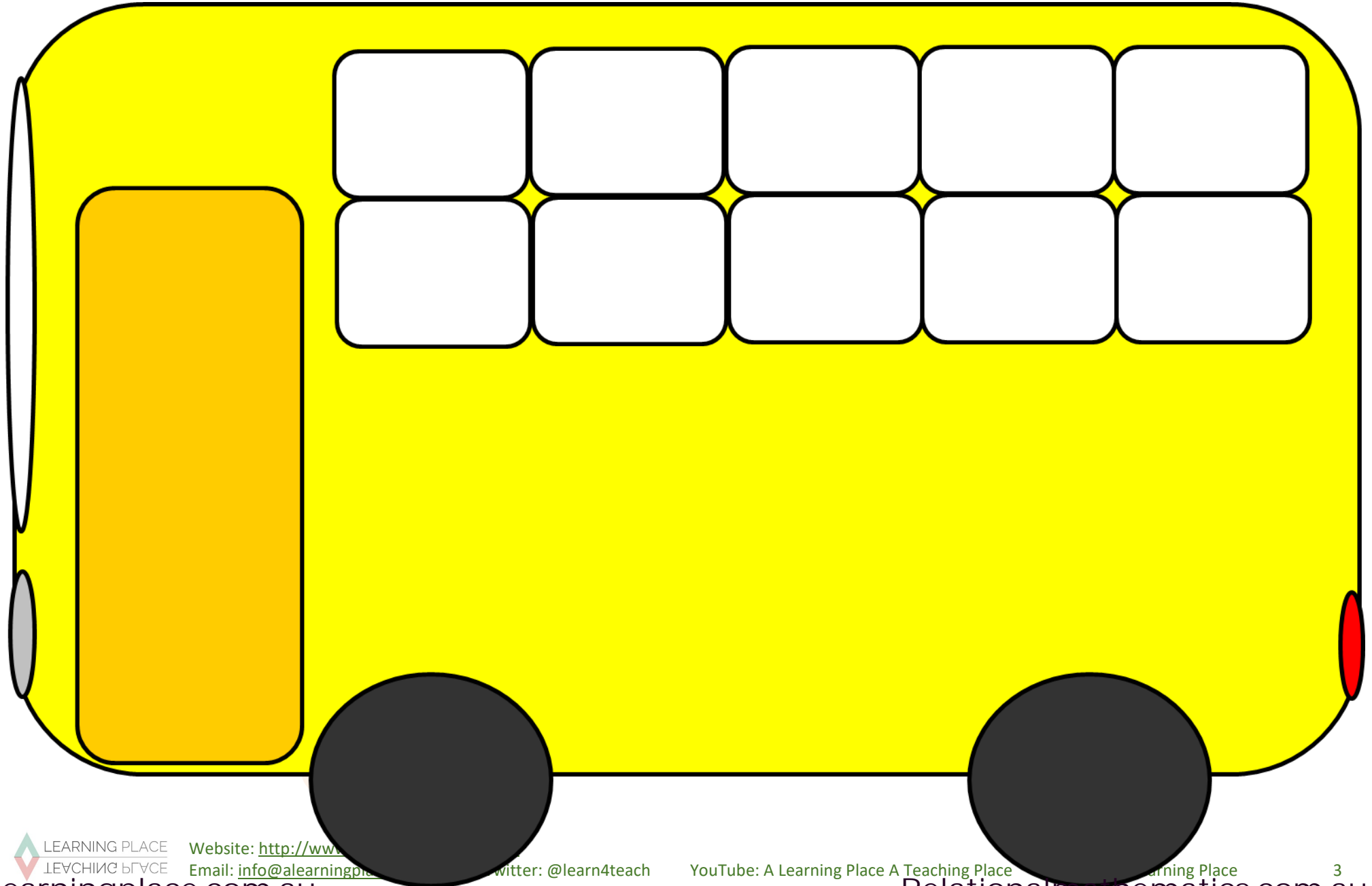
Reflection: What are friends of 10?

In pairs, children have a 10 frame bus. They place some counters on the bus pretending they are children. They work out how many more children need to get on the bus to fill the bus - to make 10 children. Reflection: What are friends of 10?

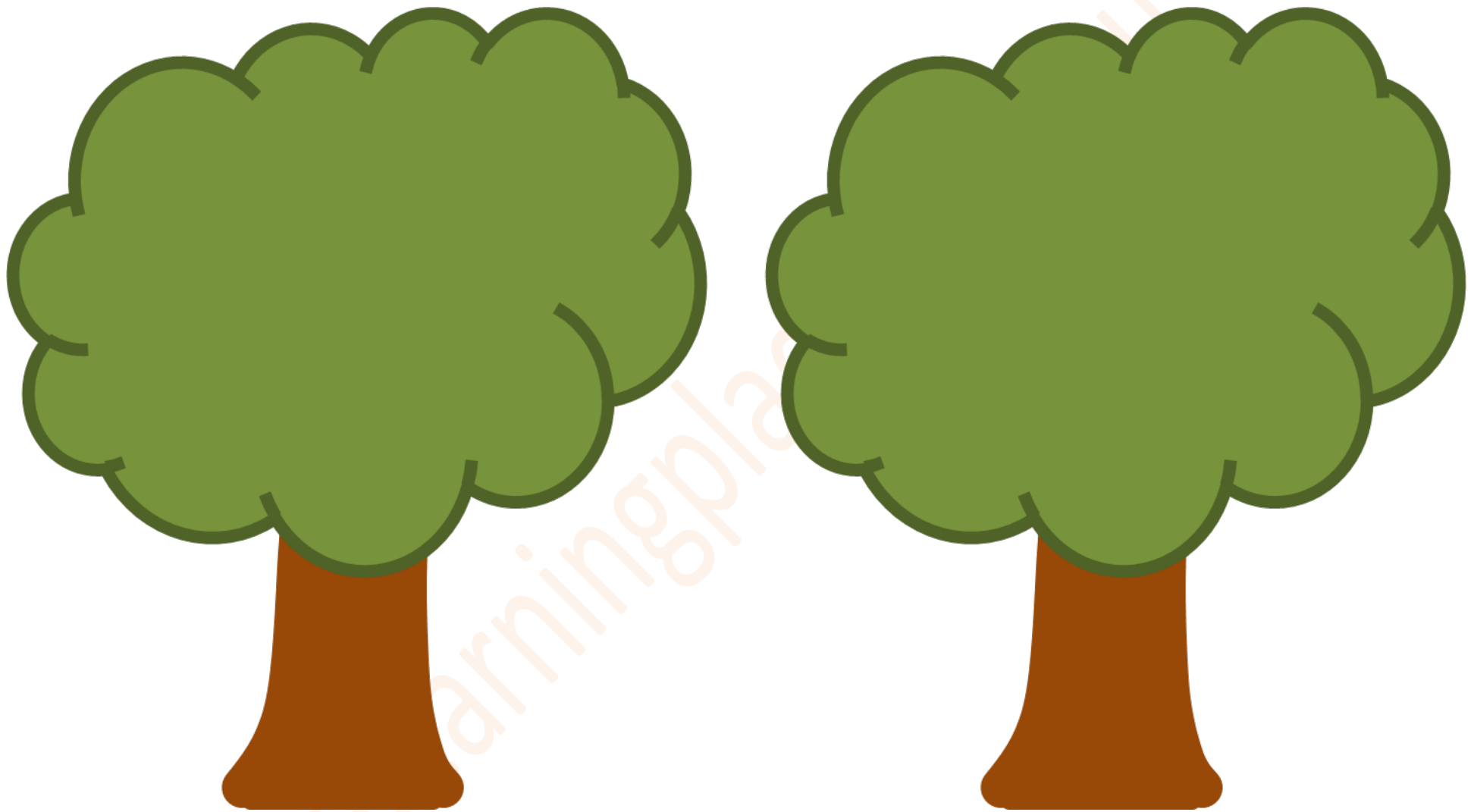
- In pairs, children select a number card and place the corresponding number of counters onto the 10 frame. They tell their partner the number in the top row, the number in the bottom row, the number altogether, and the number they need to make 10. Reflection: What are friends of 10?
- In pairs, children select a number card and place the corresponding number of counters onto the 10 frame bus to pretend they are children. They tell their partner the number in the top row, the number in the bottom row, the number altogether, and the number they need to make 10. Reflection: What are friends of 10?
- In pairs, children have a picture of 2 trees and 10 counters to represent apples. They place the apples on the trees, recording each combination as friends of 10. Reflection: What are friends of 10?

Empty 10 frame (print, cut out and distribute one 10 frame to each child) [back](#)

10 Frame Bus(print, cut out and distribute 1 to children in pairs)[Back](#)



2 trees (print, cut out and distribute 2 trees to each child)([back](#))



Numerals 0 – 10 (print, cut out and distribute to each child)

0	1	2	3
4	5	6	7
8	9	10	

Friends of 10

Sit with a friend.

Have a 10 frame.

Select a number card.

Place the number of counters onto the 10 frame.

Ask your friend:

How many counters in the top row? How do you know?

How many counters in the bottom row? How do you know?

How many counters altogether? How do you know?

Reflection: How can we tell how many counters are on a 10 frame?

Friends of 10

Sit with a friend.

Have a 10 frame.

Select a number card.

Place the number of counters onto the 10 frame.

Ask your friend:

How many counters in the top row? How do you know?

How many counters in the bottom row? How do you know?

How many counters altogether? How do you know?

How many more to make 10? How do you know?

Reflection: What are friends of 10?

Friends of 10

Sit with a friend.

Have a 10 frame bus.

Place some counters on the bus pretending they are children.

Work out how many more children need to get on the bus to fill the bus - to make 10 children.

Reflection: What are friends of 10?

Friends of 10

Sit with a friend.

Have a 10 frame.

Select a number card and place the corresponding number of counters onto the 10 frame.

Tell your friend the number in the top row, the number in the bottom row, the number altogether, and the number you need to make 10.

Reflection: What are friends of 10?

Friends of 10

Sit with a friend.

Have a 10 frame bus.

Select a number card and place the corresponding number of counters onto the 10 frame bus to pretend they are children.

Tell your friend the number in the top row, the number in the bottom row, the number altogether, and the number you need to make 10.

Reflection: What are friends of 10?

Friends of 10

Sit with a friend.

Have a picture of 2 trees and 10 counters to represent apples.

Place the apples on the trees, recording each combination as friends of 10.

Reflection: What are friends of 10?