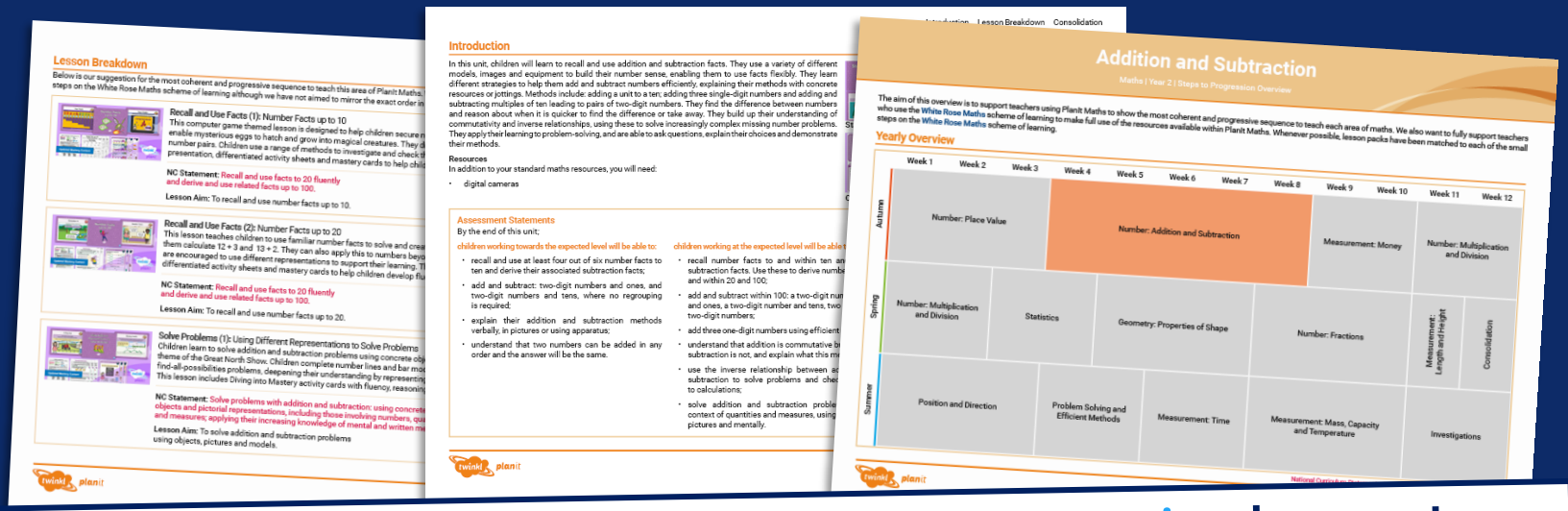
Maths

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.

twinkl planit

Number Facts within 10

2 + 1

0 + 3

Aim

- To recall and use number facts within 10.

Success Criteria

- I can recall addition facts within 10.
- I can recall subtraction facts within 10.
- I can use known facts in a context.

Remember It

These all have the same meaning:

Two numbers that go together to make a total.

Here are the number facts of 3:

Addition Facts

Number Bonds

Number Pairs

0 + 3

3 + 0

1 + 2

2 + 1

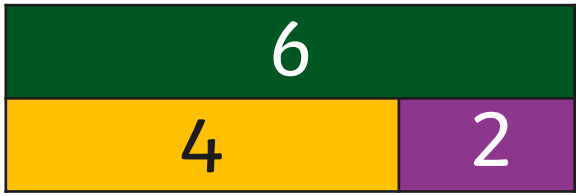
You can swap them around.
They still have the same meaning.

Can you explain what it is?

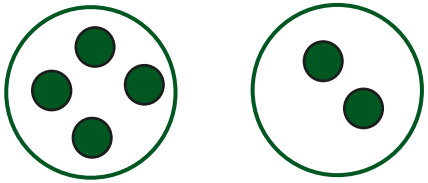
Practise It

There are lots of different ways to explore number facts.

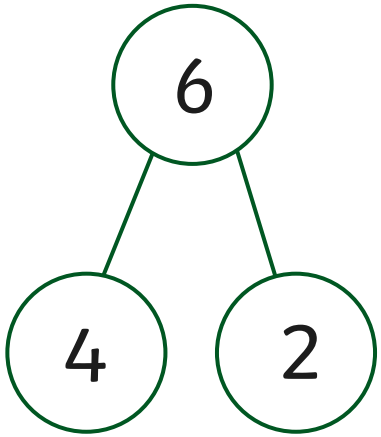
bar models



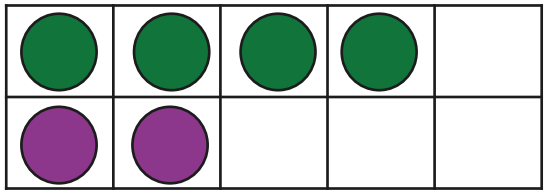
making groups



part-whole models



ten-frames

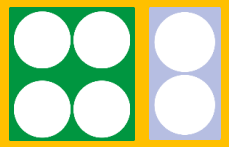


calculations

4 + 2 = 6

6 - 4 = 2

Using equipment and making jottings are great ways to show your learning.

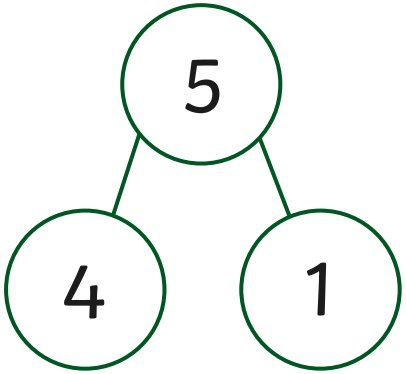


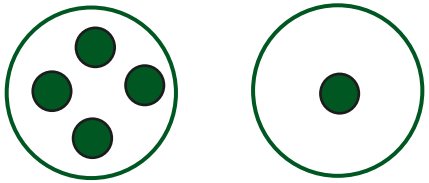
Try some different ways today.

Practise It

Whole Class

How many different ways can you find to make 5?

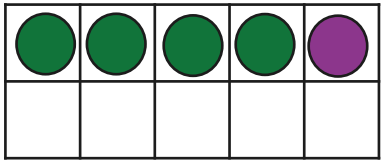


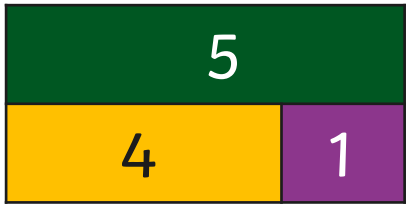


5

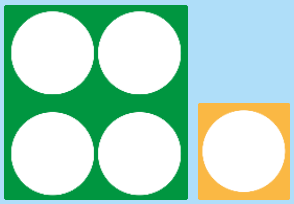
4 + 1 = 5

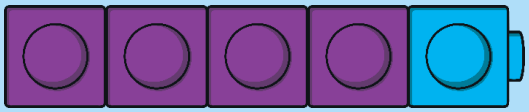
5 - 1 = 4





How will you show your learning?

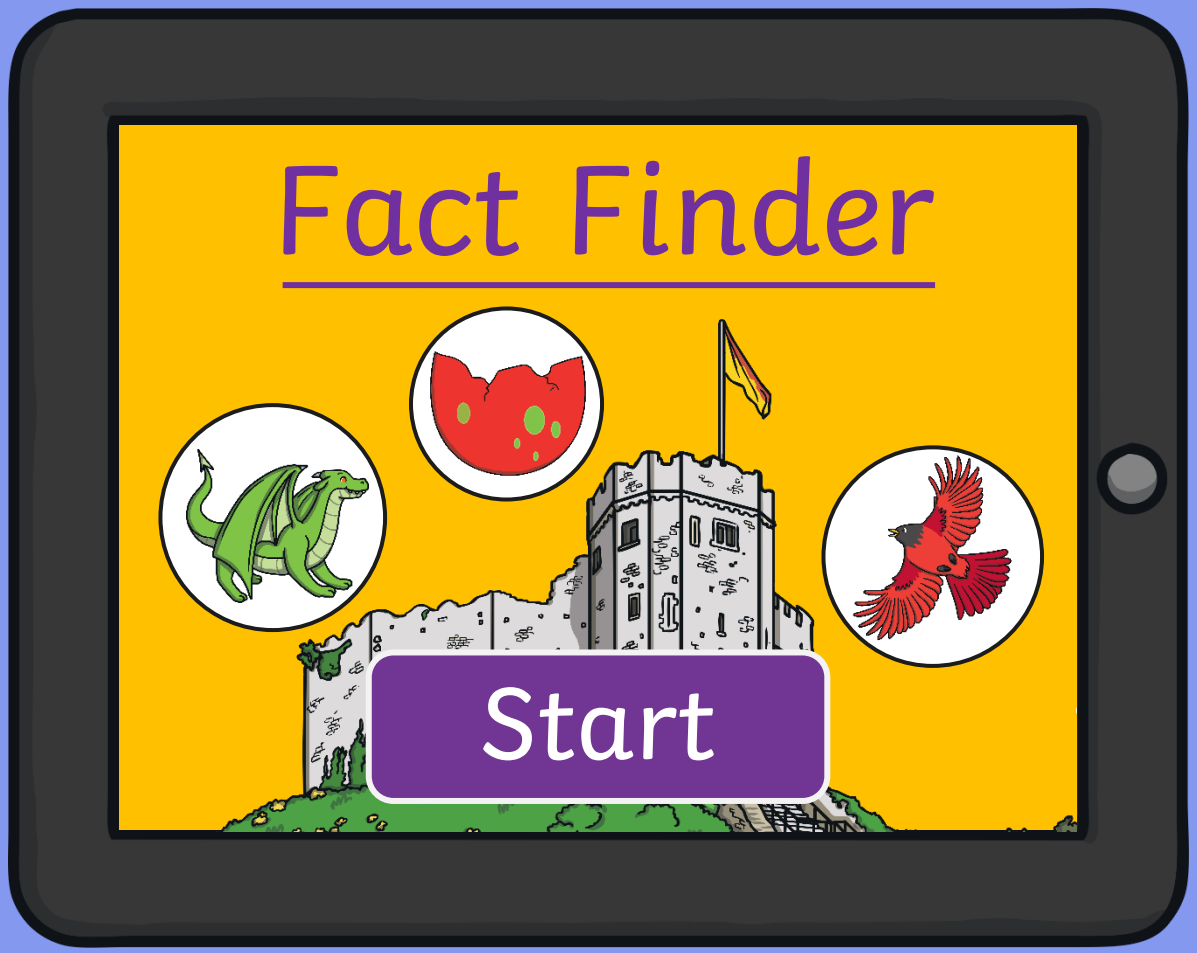




Fact Finder

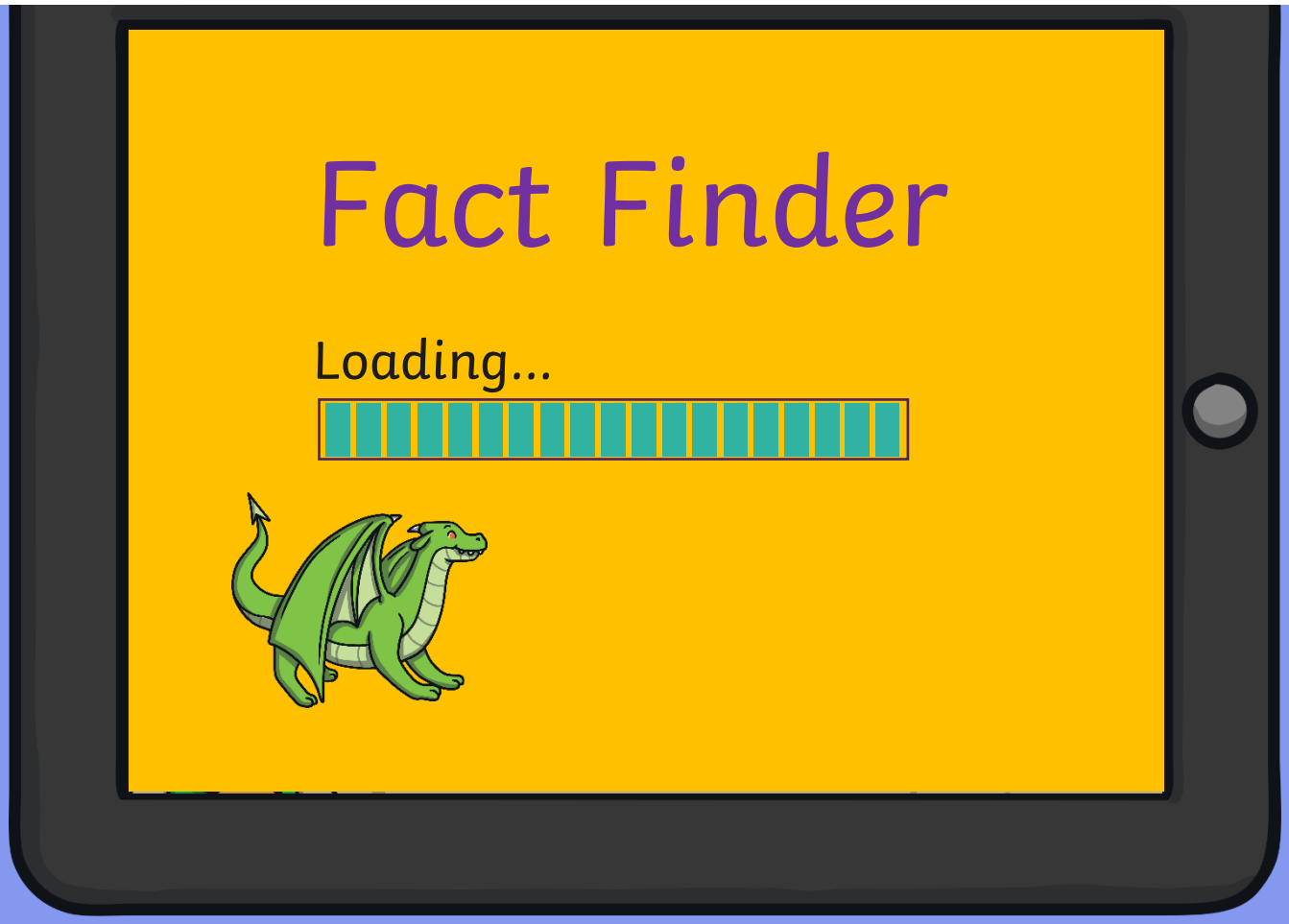
Whole Class

Fact Finder



Fact Finder

Use equipment or jottings to show your number facts.



Fact Finder

Whole Class

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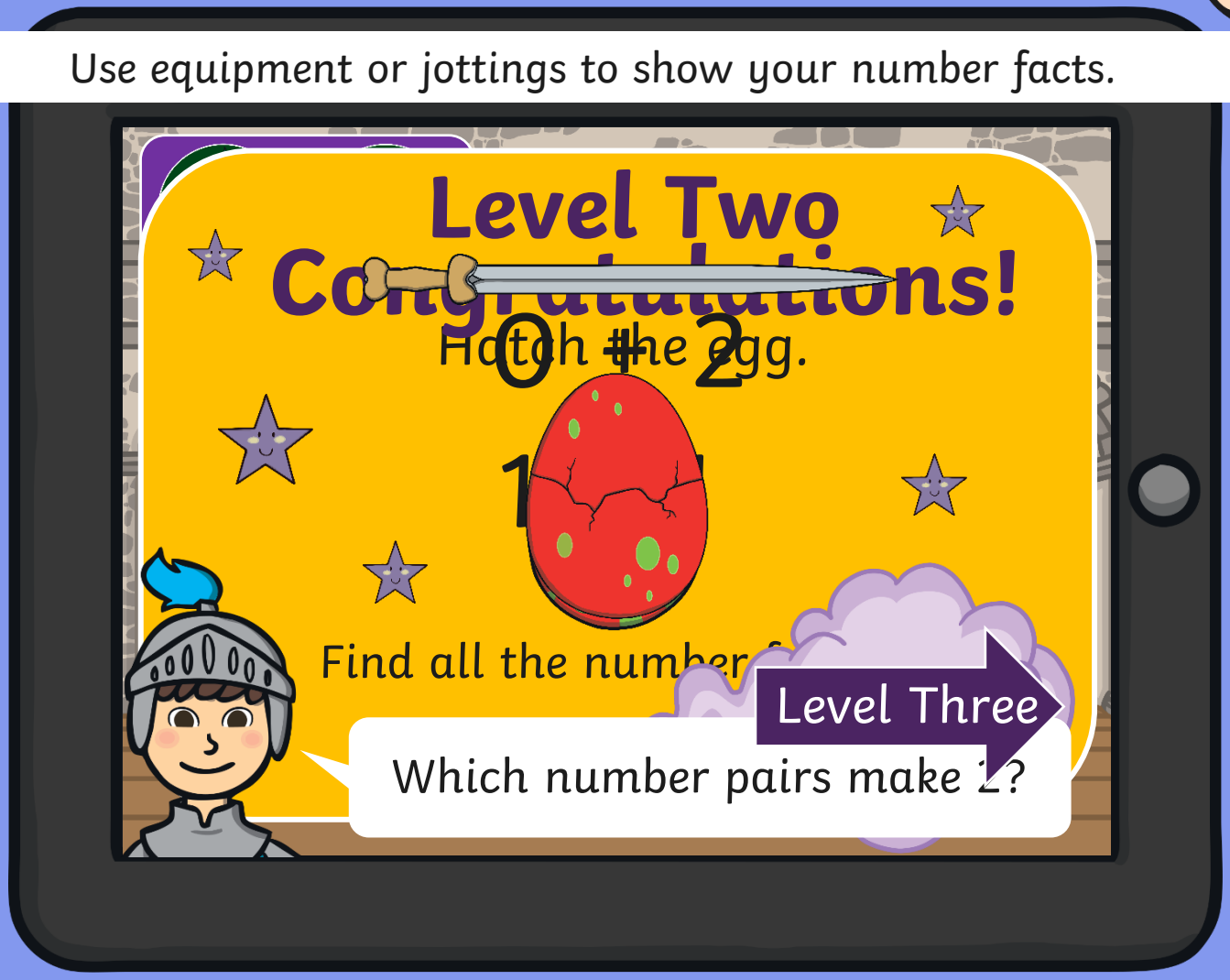

Fact Finder

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Whole Class

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Use equipment or jottings to show your number facts.

Fact Finder

Fun Facts

Whole Class

You used all of these fantastic facts to complete the game.

1	2	3	4	5	6	7	8	9	10
0 + 1	0 + 2	0 + 3	0 + 4	0 + 5	0 + 6	0 + 7	0 + 8	0 + 9	0 + 10
	1 + 1	1 + 2	1 + 3	1 + 4	1 + 5	1 + 6	1 + 7	1 + 8	1 + 9
			2 + 2	2 + 3	2 + 4	2 + 5	2 + 6	2 + 7	2 + 8
					3 + 3	3 + 4	3 + 5	3 + 6	3 + 7
							4 + 4	4 + 5	4 + 6
									5 + 5

Talk to your friend about any patterns that you can see.

Fun Facts

1	2	3	4	5	6	7	8	9	10
0 + 1	0 + 2	0 + 3	0 + 4	0 + 5	0 + 6	0 + 7	0 + 8	0 + 9	0 + 10
	1 + 1	1 + 2	1 + 3	1 + 4	1 + 5	1 + 6	1 + 7	1 + 8	1 + 9
			2 + 2	2 + 3	2 + 4	2 + 5	2 + 6	2 + 7	2 + 8
					3 + 3	3 + 4	3 + 5	3 + 6	3 + 7
							4 + 4	4 + 5	4 + 6
									5 + 5

What happens when you add zero to any number?

The number stays the same.

Now that we know this top tip, these are number facts that we can learn to recall.

Fun Facts

1	2	3	4	5	6	7	8	9	10

1 + 1	1 + 2	1 + 3	1 + 4	1 + 5	1 + 6	1 + 7	1 + 8	1 + 9
		2 + 2	2 + 3	2 + 4	2 + 5	2 + 6	2 + 7	2 + 8
				3 + 3	3 + 4	3 + 5	3 + 6	3 + 7
						4 + 4	4 + 5	4 + 6
								5 + 5

What happens when you add one to any number?

It makes the next number.

Now that we know this handy hint, these are number facts that we can learn to recall.

Fun Facts

1	2	3	4	5	6	7	8	9	10

2 + 2	2 + 3	2 + 4	2 + 5	2 + 6	2 + 7	2 + 8
		3 + 3	3 + 4	3 + 5	3 + 6	3 + 7
				4 + 4	4 + 5	4 + 6
						5 + 5

Can you spot any number doubles?

What do you know about number doubles?

Fun Facts

1	2	3	4	5	6	7	8	9	10

2 + 3	2 + 4	2 + 5	2 + 6	2 + 7	2 + 8
		3 + 4	3 + 5	3 + 6	3 + 7
				4 + 5	4 + 6

Are there any that you already know?

If we know what happens when we add zero or one and we know our number doubles, this is all we have left to learn!

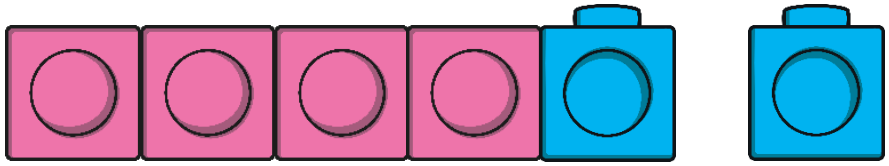
What can you do to practise the last few number facts?

Speedy Subtraction

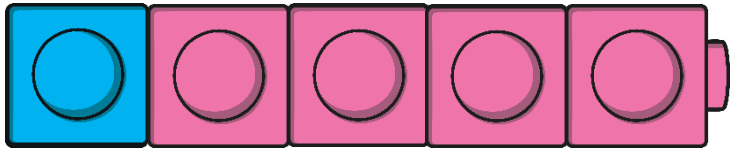
Whole Class

We can use addition facts to help us solve subtraction calculations.

If I know 4 + 1 = 5, then I know 1 + 4 = 5.



I also know 5 – 1 = 4 and 5 – 4 = 1.

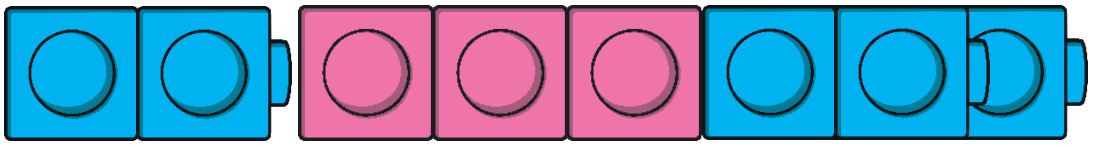


Speedy Subtraction

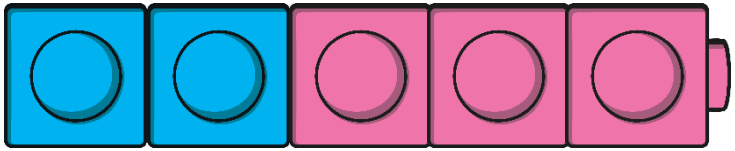
Whole Class

We can use addition facts to help us solve subtraction calculations.

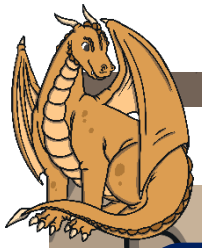
If I know 3 + 2 = 5, then I know 2 + 3 = 5.



I also know 5 – 2 = 3 and 5 – 3 = 2.

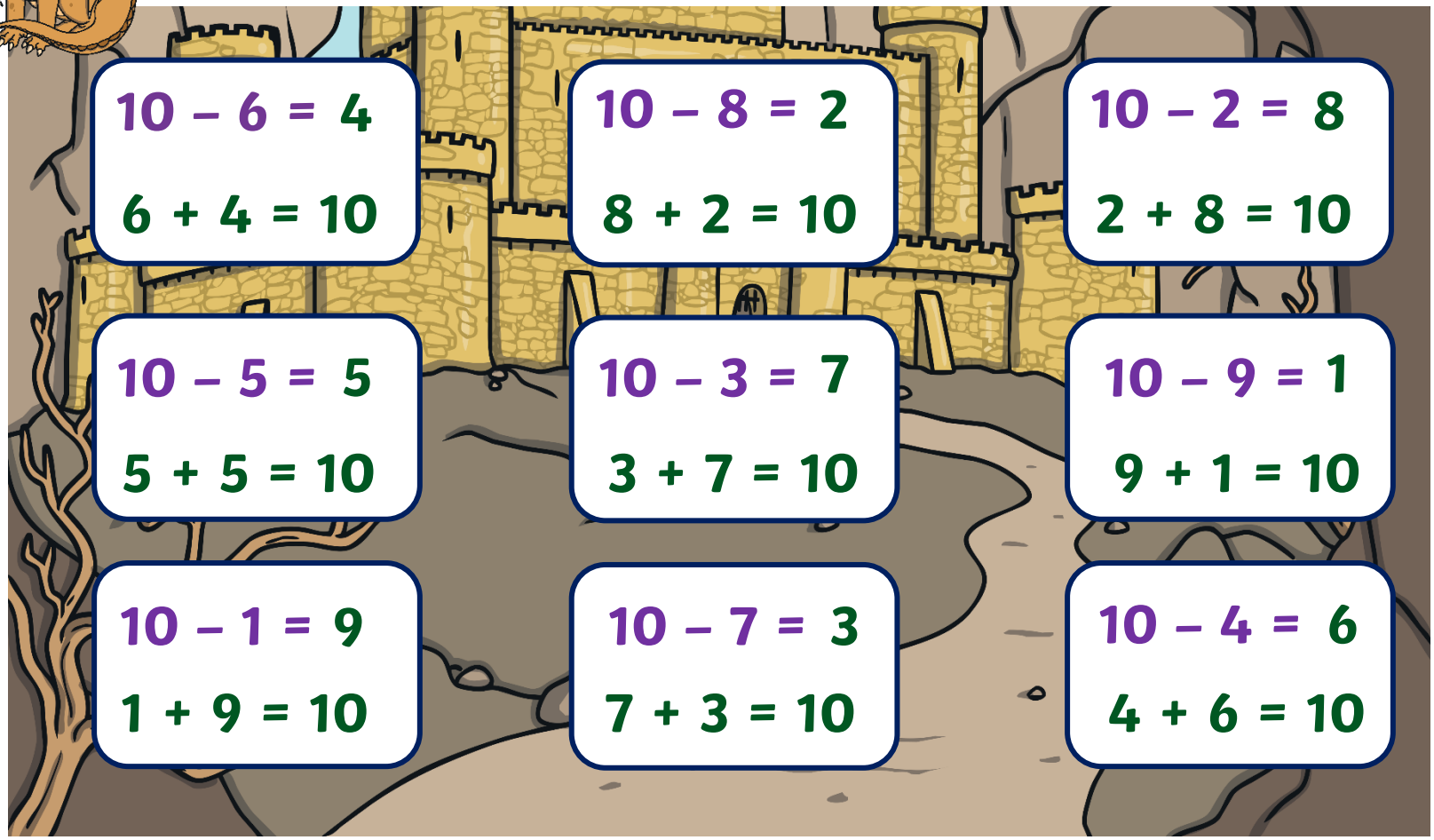


Speedy Subtraction



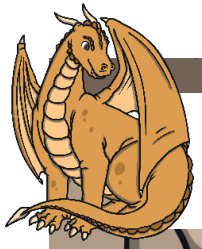
Whole Class

Use number facts of ten to solve these subtraction calculations.



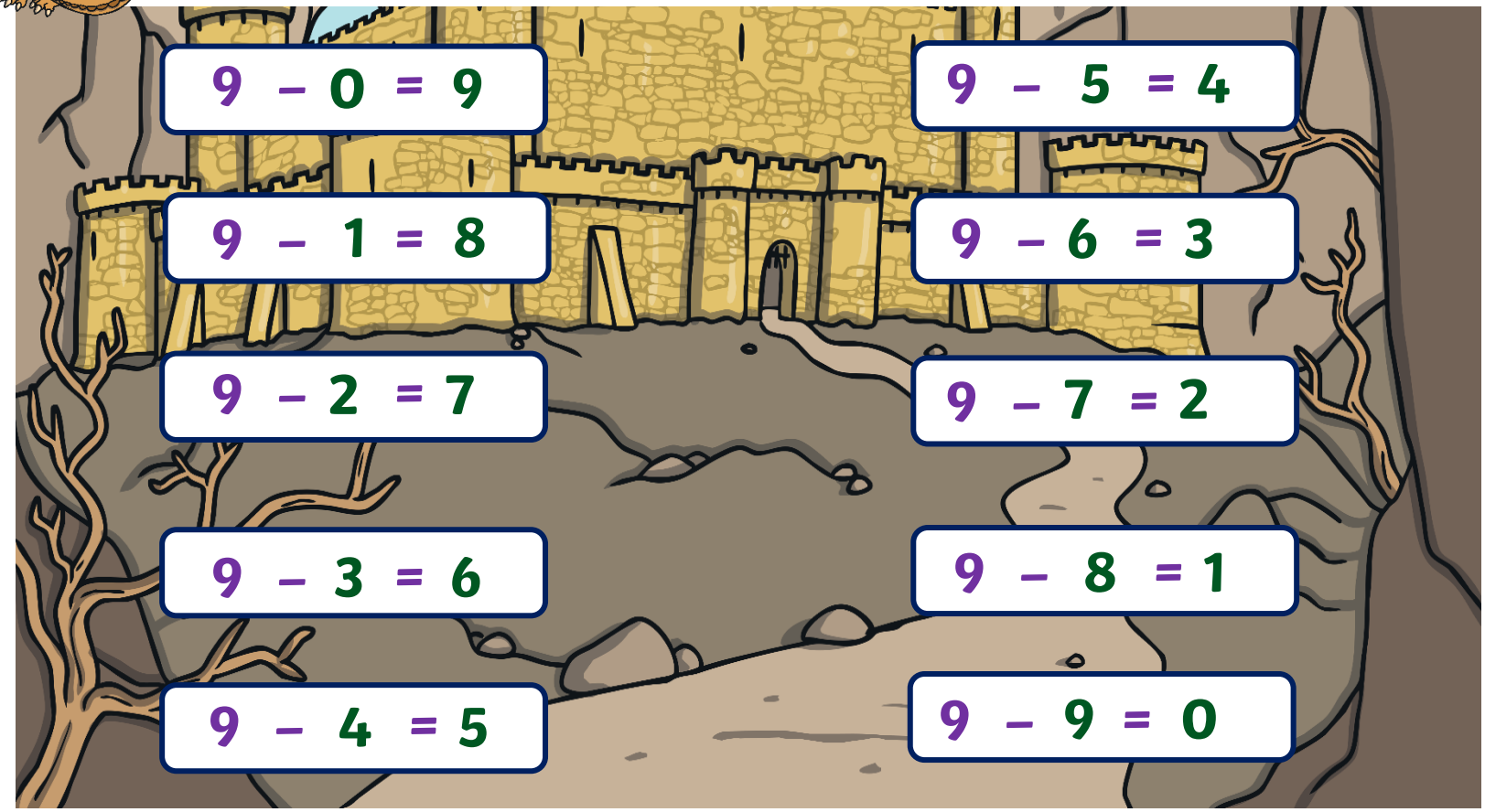
10 – 6 = 4 6 + 4 = 10	10 – 8 = 2 8 + 2 = 10	10 – 2 = 8 2 + 8 = 10
10 – 5 = 5 5 + 5 = 10	10 – 3 = 7 3 + 7 = 10	10 – 9 = 1 9 + 1 = 10
10 – 1 = 9 1 + 9 = 10	10 – 7 = 3 7 + 3 = 10	10 – 4 = 6 4 + 6 = 10

Speedy Subtraction



Whole Class

Use number facts of nine to make subtraction calculations.
Can you find them all?



9 – 0 = 9

9 – 1 = 8

9 – 2 = 7

9 – 3 = 6

9 – 4 = 5

9 – 5 = 4

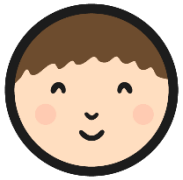
9 – 6 = 3

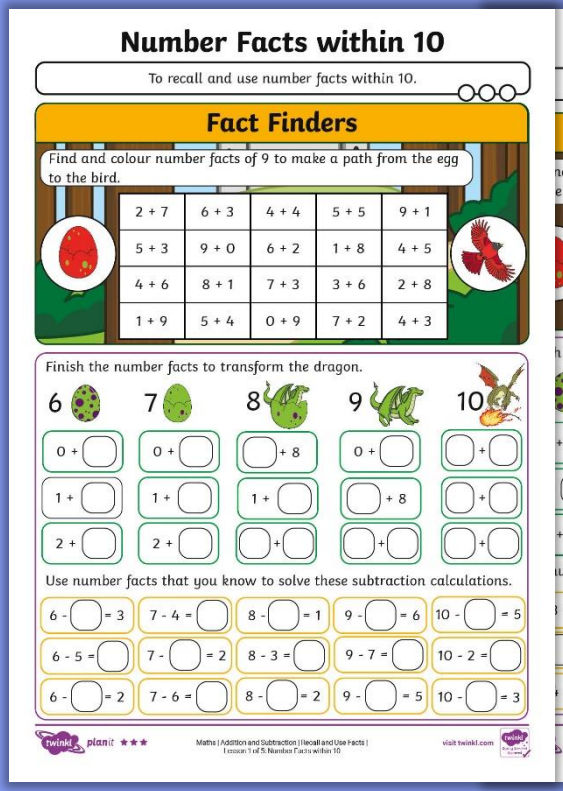
9 – 7 = 2

9 – 8 = 1

9 – 9 = 0

Number Facts within 10 Activity Sheets





Number Facts within 10

To recall and use number facts within 10.

Fact Finders

Find and colour number facts of 9 to make a path from the egg to the bird.

2 + 7	6 + 3	4 + 4	5 + 5	9 + 1
5 + 3	9 + 0	6 + 2	1 + 8	4 + 5
4 + 6	8 + 1	7 + 3	3 + 6	2 + 8
1 + 9	5 + 4	0 + 9	7 + 2	4 + 3

Finish the number facts to transform the dragon.

6 7 8 9 10

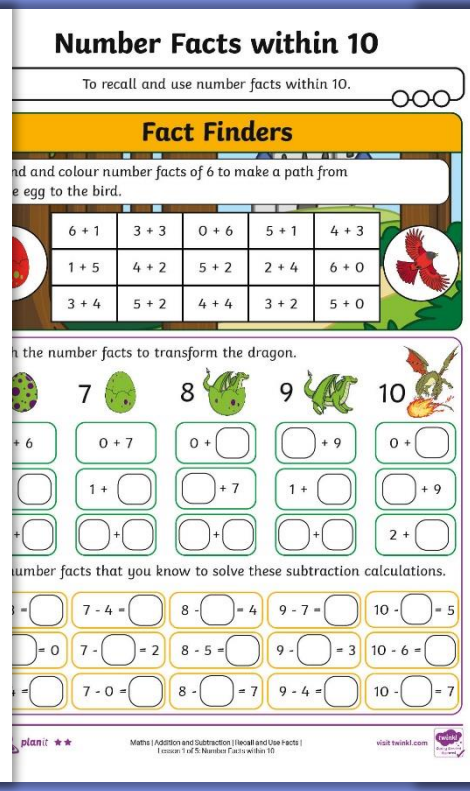
0 + ☐ 0 + ☐ ☐ + 8 0 + ☐ ☐ + ☐

1 + ☐ 1 + ☐ 1 + ☐ ☐ + 8 ☐ + ☐

2 + ☐ 2 + ☐ ☐ + ☐ ☐ + ☐ ☐ + ☐

Use number facts that you know to solve these subtraction calculations.

6 - ☐ = 3	7 - 4 = ☐	8 - ☐ = 1	9 - ☐ = 6	10 - ☐ = 5
6 - 5 = ☐	7 - ☐ = 2	8 - 3 = ☐	9 - 7 = ☐	10 - 2 = ☐
6 - ☐ = 2	7 - 6 = ☐	8 - ☐ = 2	9 - ☐ = 5	10 - ☐ = 3



Number Facts within 10

To recall and use number facts within 10.

Fact Finders

d and colour number facts of 6 to make a path from e egg to the bird.

6 + 1	3 + 3	0 + 6	5 + 1	4 + 3
1 + 5	4 + 2	5 + 2	2 + 4	6 + 0
3 + 4	5 + 2	4 + 4	3 + 2	5 + 0

h the number facts to transform the dragon.

7 8 9 10

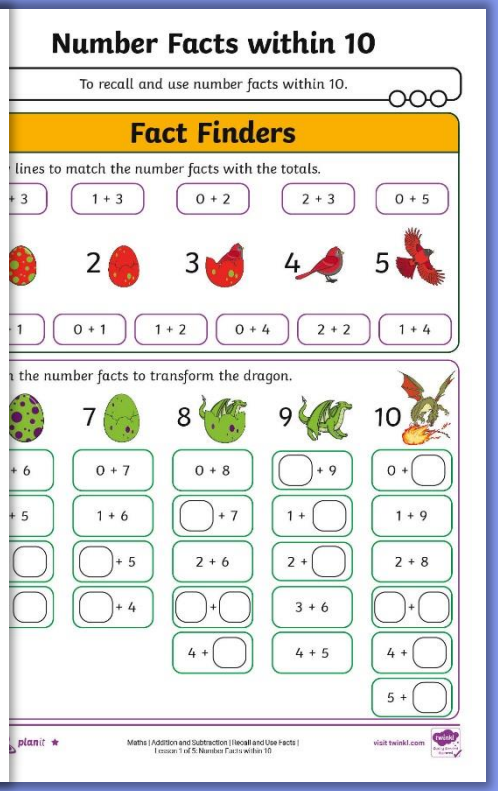
+ 6 0 + 7 0 + ☐ ☐ + 9 0 + ☐

☐ 1 + ☐ ☐ + 7 1 + ☐ ☐ + 9

☐ ☐ + ☐ ☐ + ☐ ☐ + ☐ 2 + ☐

umber facts that you know to solve these subtraction calculations.

☐ = ☐	7 - 4 = ☐	8 - ☐ = 4	9 - 7 = ☐	10 - ☐ = 5
☐ = 0	7 - ☐ = 2	8 - 5 = ☐	9 - ☐ = 3	10 - 6 = ☐
☐ = ☐	7 - 0 = ☐	8 - ☐ = 7	9 - 4 = ☐	10 - ☐ = 7



Number Facts within 10

To recall and use number facts within 10.

Fact Finders

lines to match the number facts with the totals.

+ 3 1 + 3 0 + 2 2 + 3 0 + 5

2 3 4 5

1 0 + 1 1 + 2 0 + 4 2 + 2 1 + 4

h the number facts to transform the dragon.

7 8 9 10

+ 6 0 + 7 0 + 8 ☐ + 9 0 + ☐

+ 5 1 + 6 ☐ + 7 1 + ☐ 1 + 9

☐ ☐ + 5 2 + 6 2 + ☐ 2 + 8

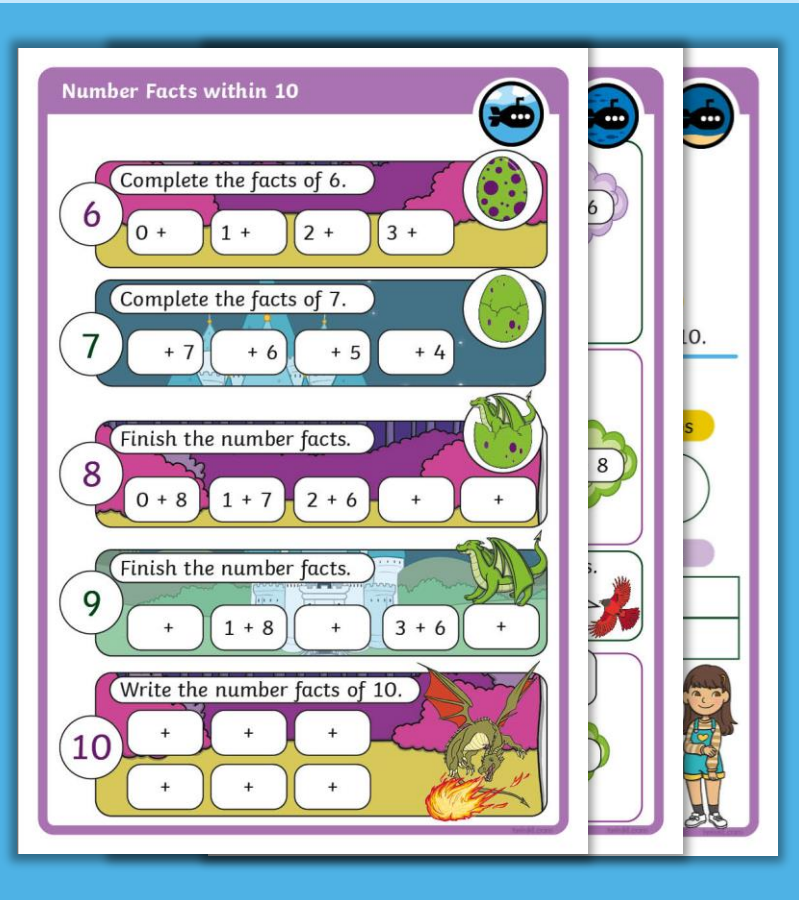
☐ ☐ + 4 ☐ + ☐ 3 + 6 ☐ + ☐

4 + ☐ 4 + 5 4 + ☐

5 + ☐

Diving into Mastery

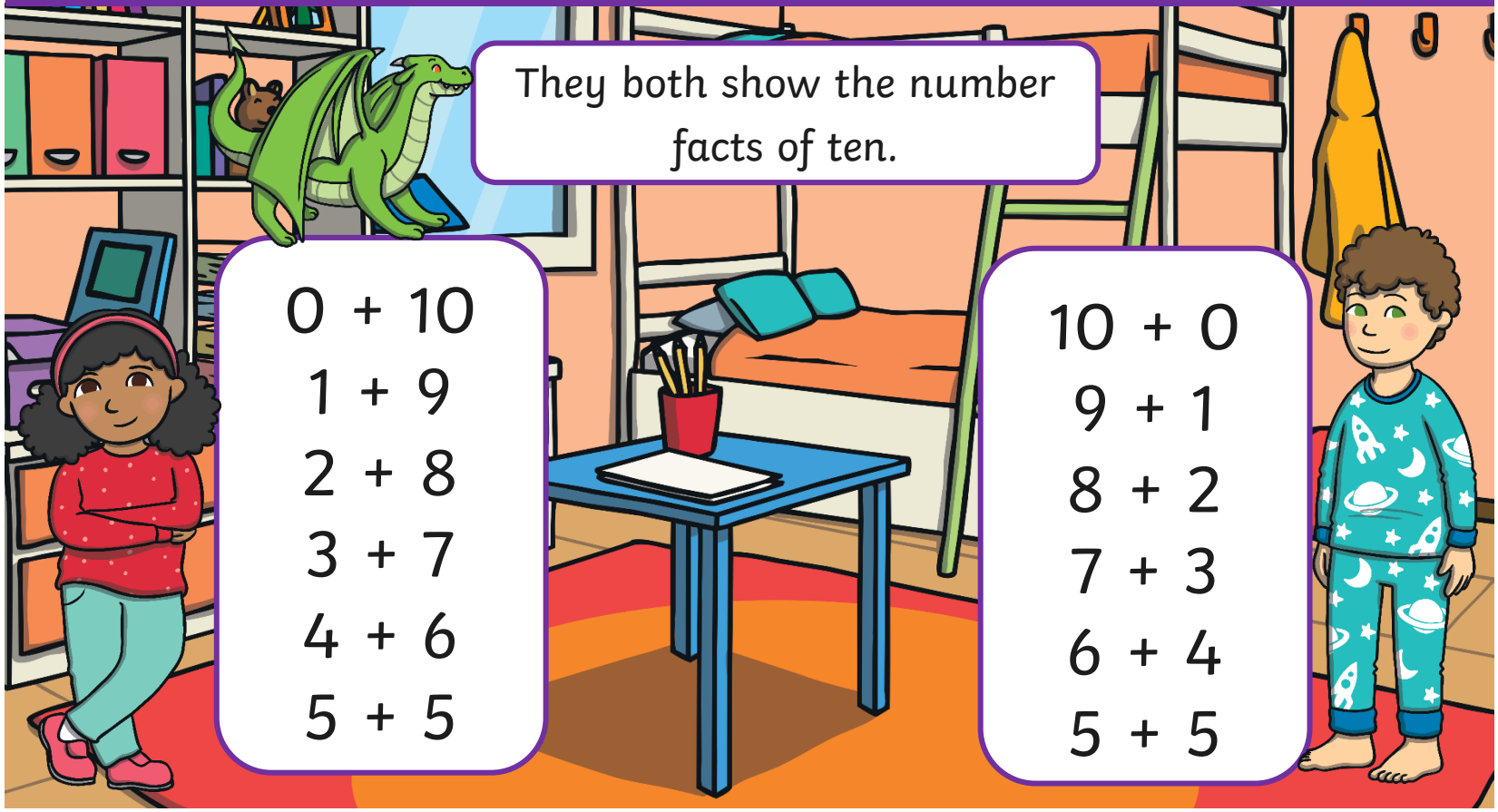
Dive in by completing your own activity!



Game Over

Whole Class

We both made number facts of ten, but they look different.
Whose answers should we use to finish the game?



Aim

- To recall and use number facts within 10.

Success Criteria

- I can recall addition facts within 10.
- I can recall subtraction facts within 10.
- I can use known facts in a context.