Maths

Addition and Subtraction

Addition and Subtraction Problems Crossing 10

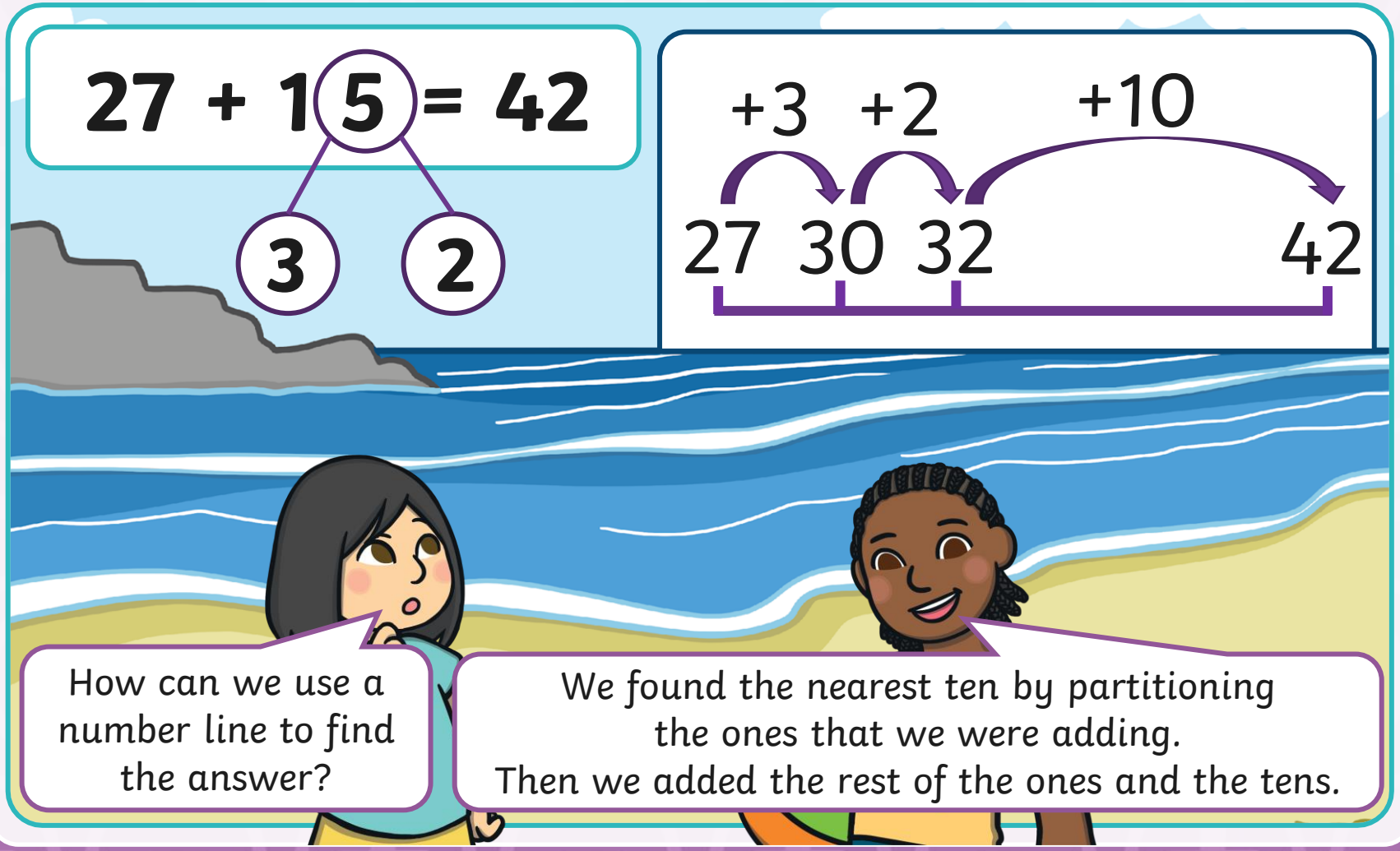
Aim

- To solve addition and subtraction problems crossing ten.

Success Criteria

- I can solve addition problems crossing ten.
- I can solve subtraction problems crossing ten.
- I can select strategies to solve addition and subtraction problems crossing ten.

Remember It



Remember It

38 + 23 = 61

30 8 20 3

Tens	Ones
10 10 10	1 1 1 1 1 1 1 1
10 10	1 1 1

30 + 20 = 50

8 + 3 = 11

50 + 11 = 61

How can we use place value counters to find the answer?

We partitioned the numbers into ones and tens then added them.

Remember It

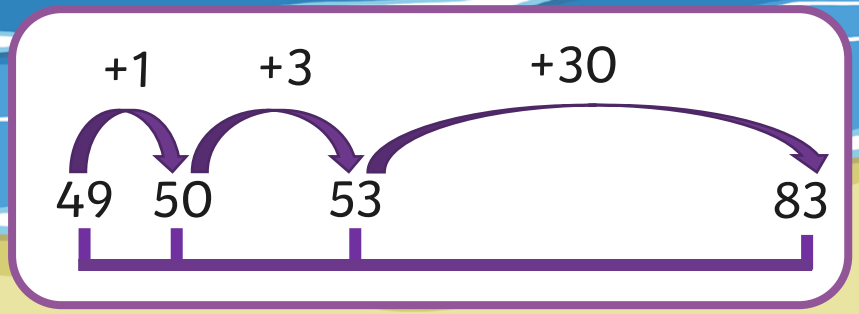
49 + 34 = 83

Tens	Ones
10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1 1 1 1

40 + 30 = 70

9 + 4 = 13

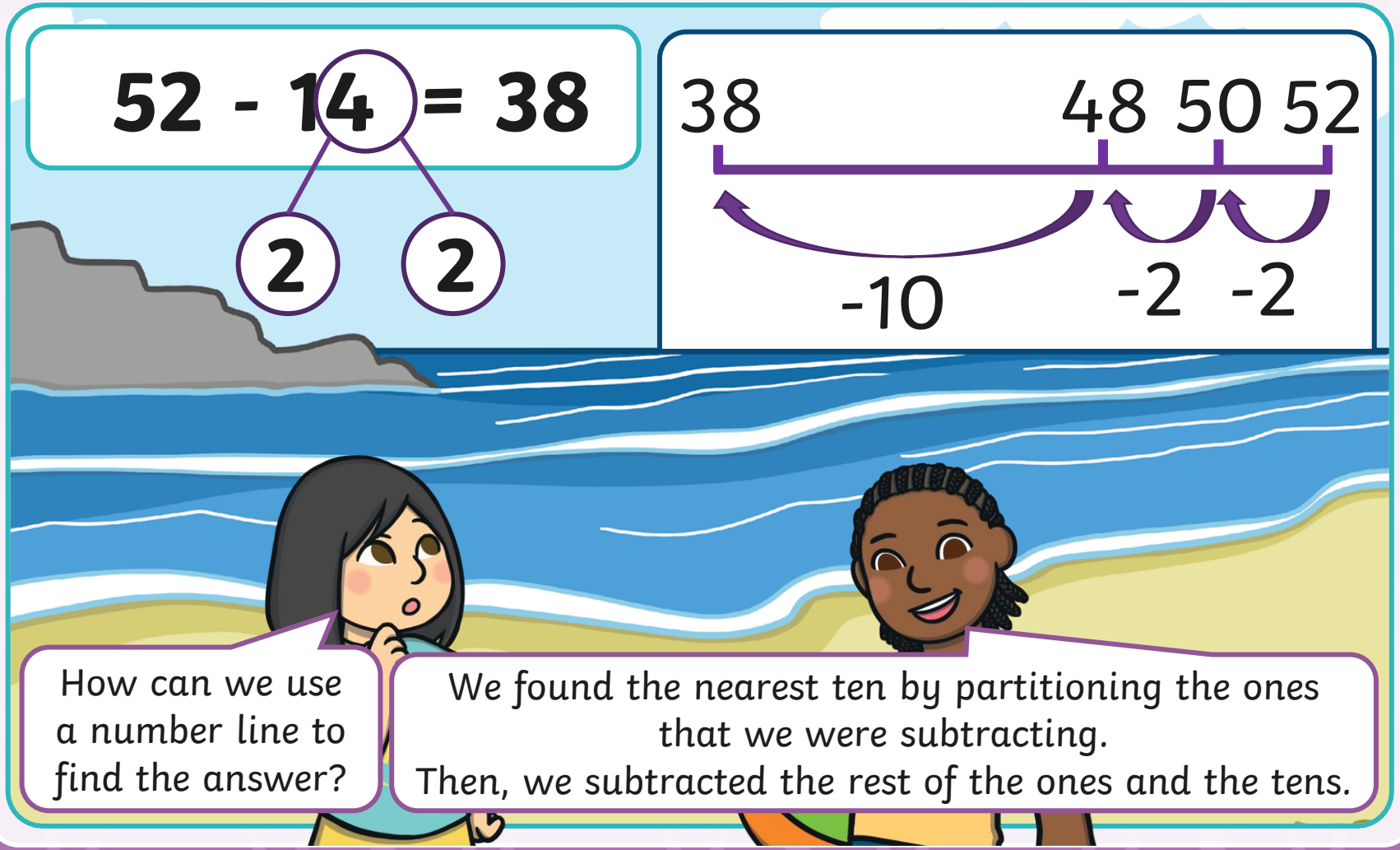
70 + 13 = 83



Pick your favourite strategy to find the answer.

Do you know another way to find the answer?

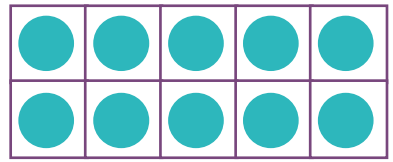
Remember It

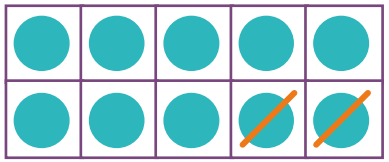


Remember It

$$35 - 17 = 18$$

$$17 = 5 + 2$$



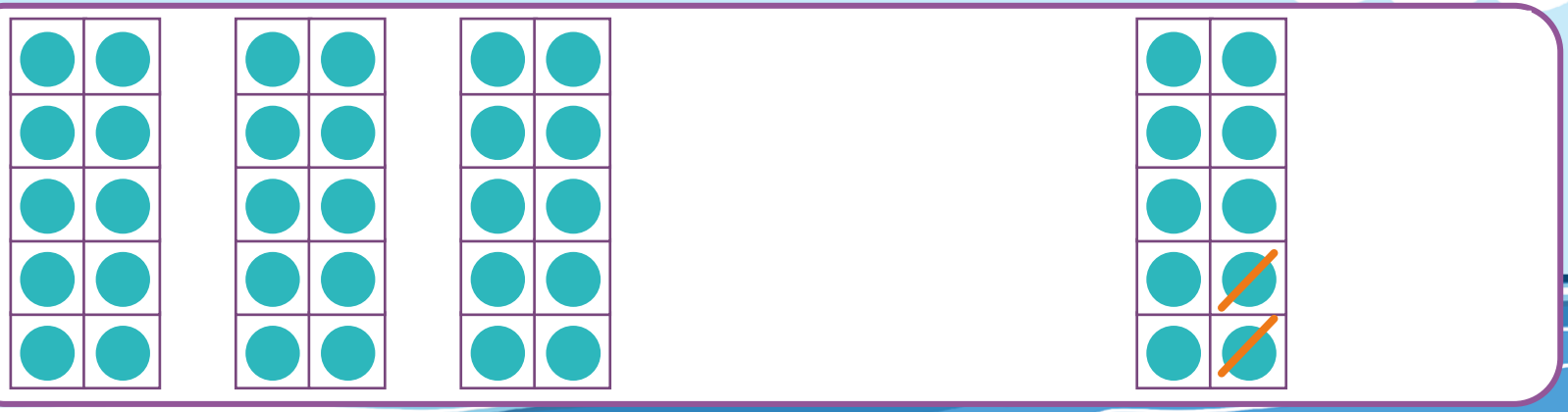


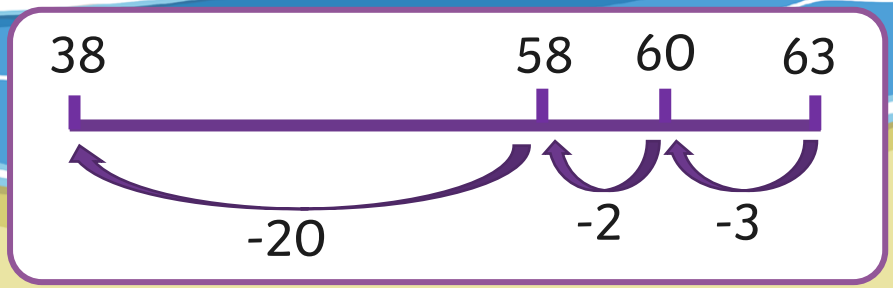
How can we use ten-frames to find the answer?

We subtracted 7 ones by crossing out 5 counters on the incomplete ten-frame, then we crossed out the next 2. We crossed out a set of 10 to subtract 17 altogether.

Remember It

$$63 - 25 = 38$$





Do you know another way to find the answer?

Pick your favourite strategy to find the answer.

Where Is Captain Jack?

Choose a square and solve the puzzle on the scroll.

Click on the scroll to reveal the answer once you have solved the puzzle.
Click on the answer square to look for what is hidden there.

Who can find Captain Jack's hiding place?

Where Is Captain Jack?

?	?	?	?
?	?	?	?
?	?	?	?
?	?	?	?

There are 24 pirates in the crew. 18 are on the ship. How many are left on the island?

Mutiny!

There's been a mutiny on the Black Sails.

Redbeard has run off with all the treasure and buried it somewhere on the island!

Mutiny!

Whole Class

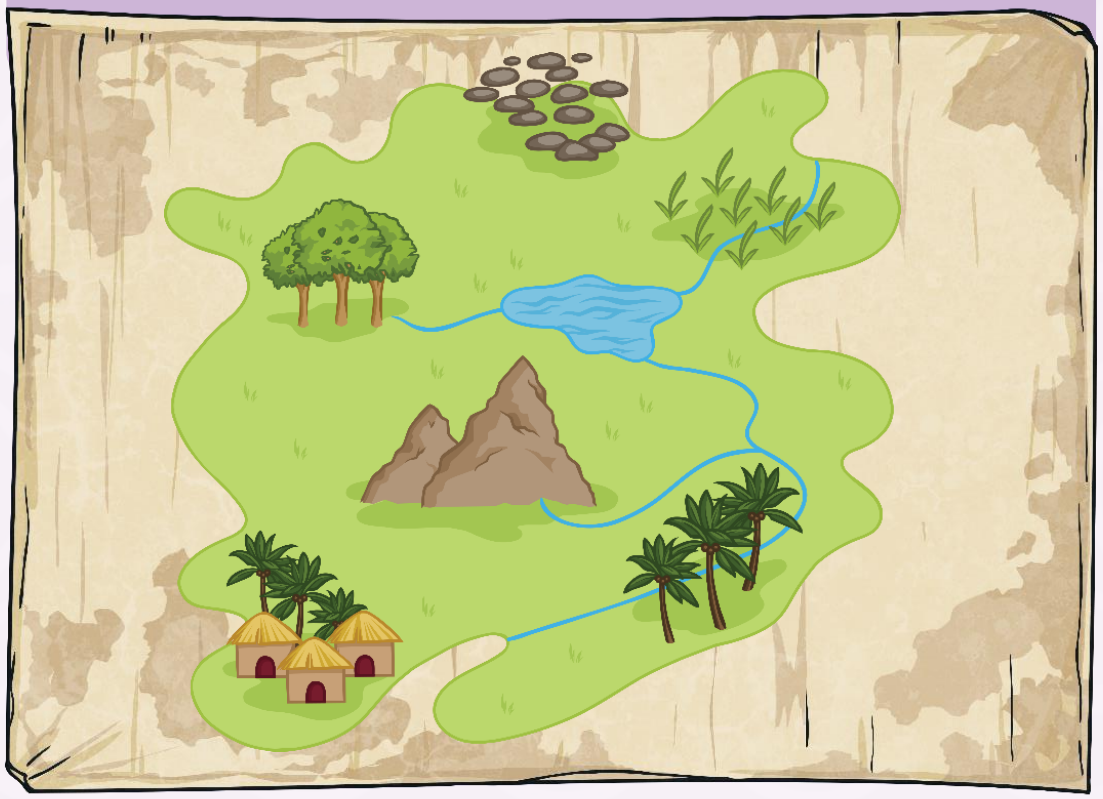
The pirates have captured him but he's refusing to tell them where the treasure is. All they can find is a map and some clues.

Mutiny!

Whole Class

To the Rescue!

Here's the treasure map!
Let's try the first clue.



To the Rescue!

Whole Class

The first clue.

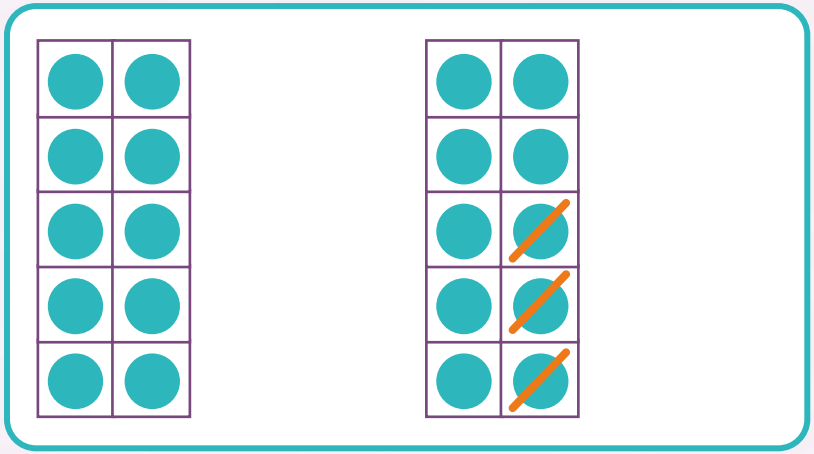
I had 31 jewels in my treasure chest. I took 14 out and hid them somewhere else.

How many coins are left in Redbeard's treasure chest?

To the Rescue!

Whole Class

$$31 - 14 = 17$$



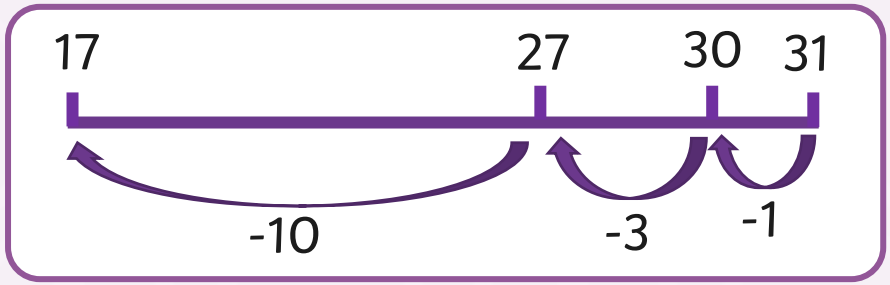
The pirates could use different strategies to solve different challenges.

They could solve this with ten-frames.

To the Rescue!

Whole Class

$$31 - 14 = 17$$



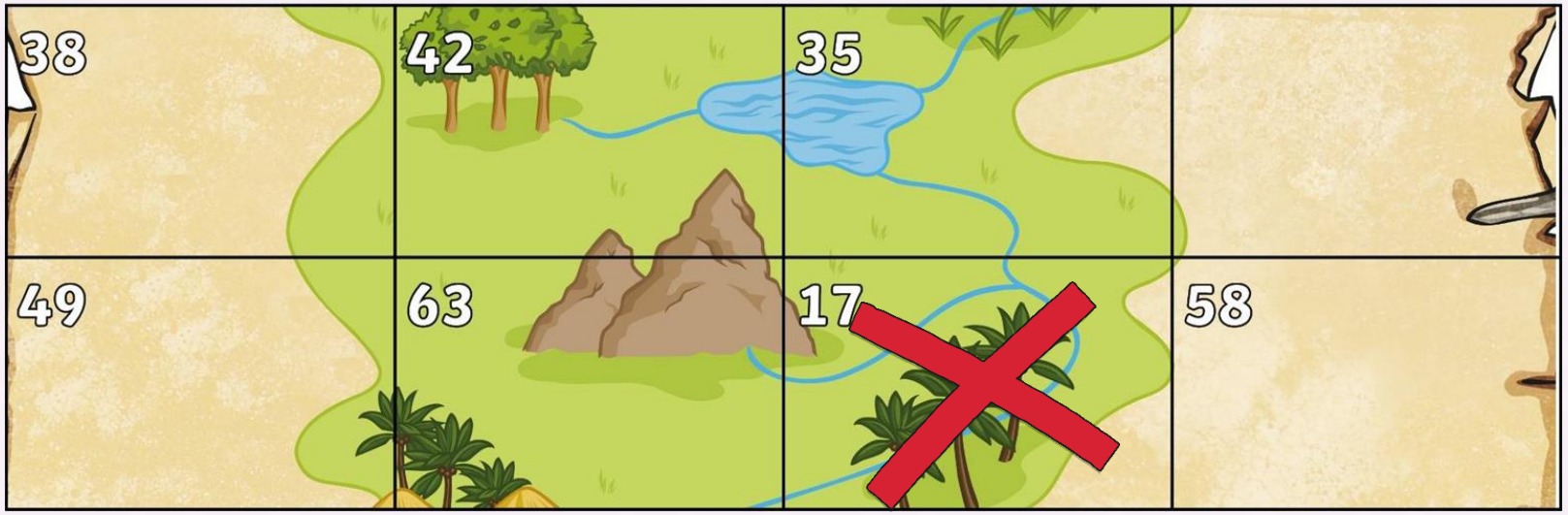
Or number lines.

Which strategy would you choose?

To the Rescue!

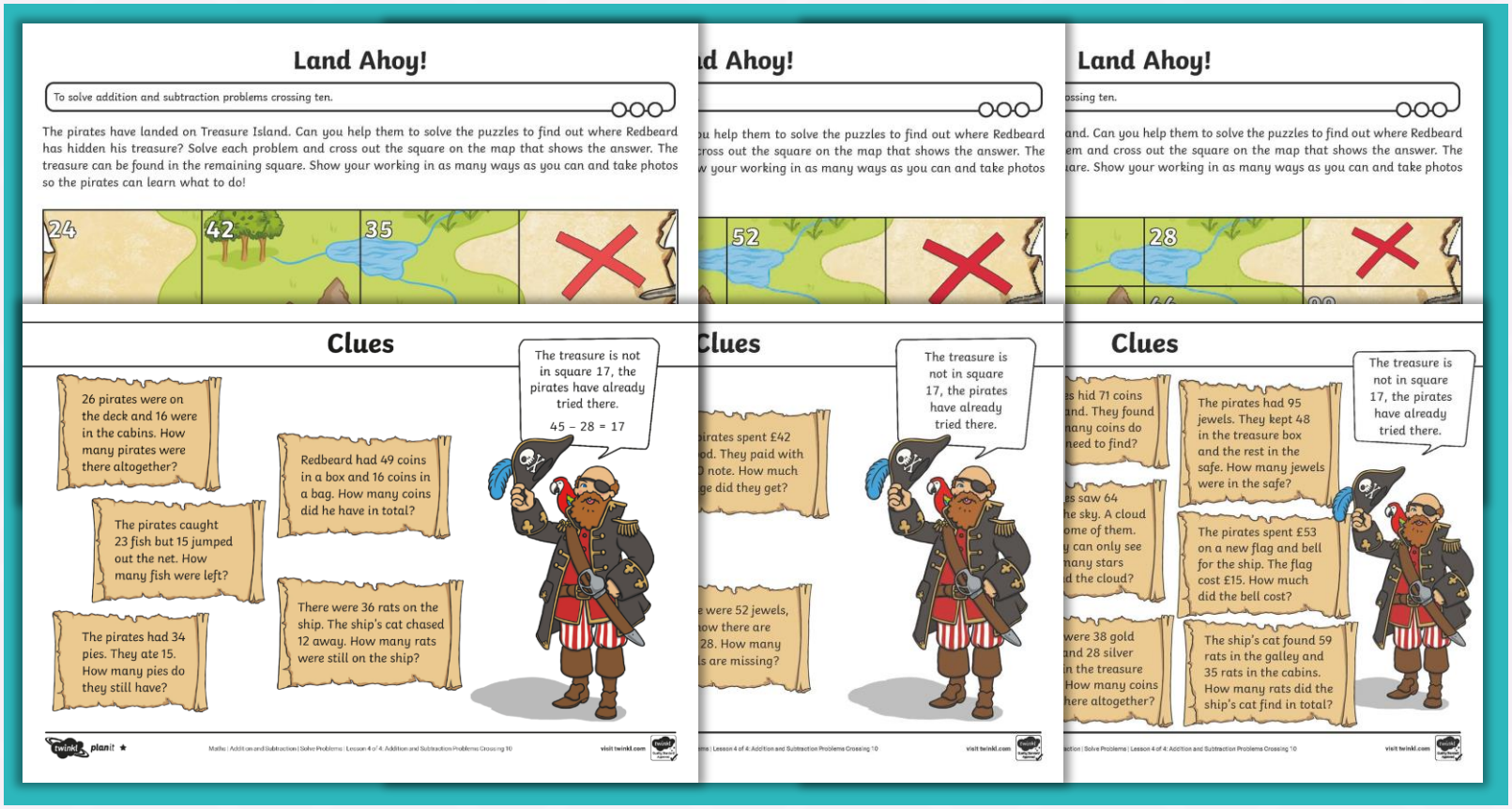
We know the treasure is not in square 17, so we can cross it out.

When we have solved all the puzzles, we will know where to dig!



Land Ahoy

Can you solve all the puzzles to find where the treasure is hidden?
Think about which strategies will help you.



Diving into Mastery

Dive in by completing your own activity!

Redbeard's Last Challenge

Redbeard's Last Challenge

27 + 24 = 51

Tens	Ones
10 10 10 10	1 1 1 1 1 1 1 1 1 1 1

20 + 20 = 40

7 + 4 = 11

40 + 11 = 51

We could use place value counters to solve this.

Redbeard's Last Challenge

Whole Class

$$27 + 24 = 51$$

We could use place value counters or number lines to solve this.

Which strategy did you choose?
Or did you find another way to reach the answer?

Aim

- I can solve addition and subtraction problems crossing ten.

Success Criteria

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