

# Year 3 Maths

Mental addition and subtraction

Methods and questions to try



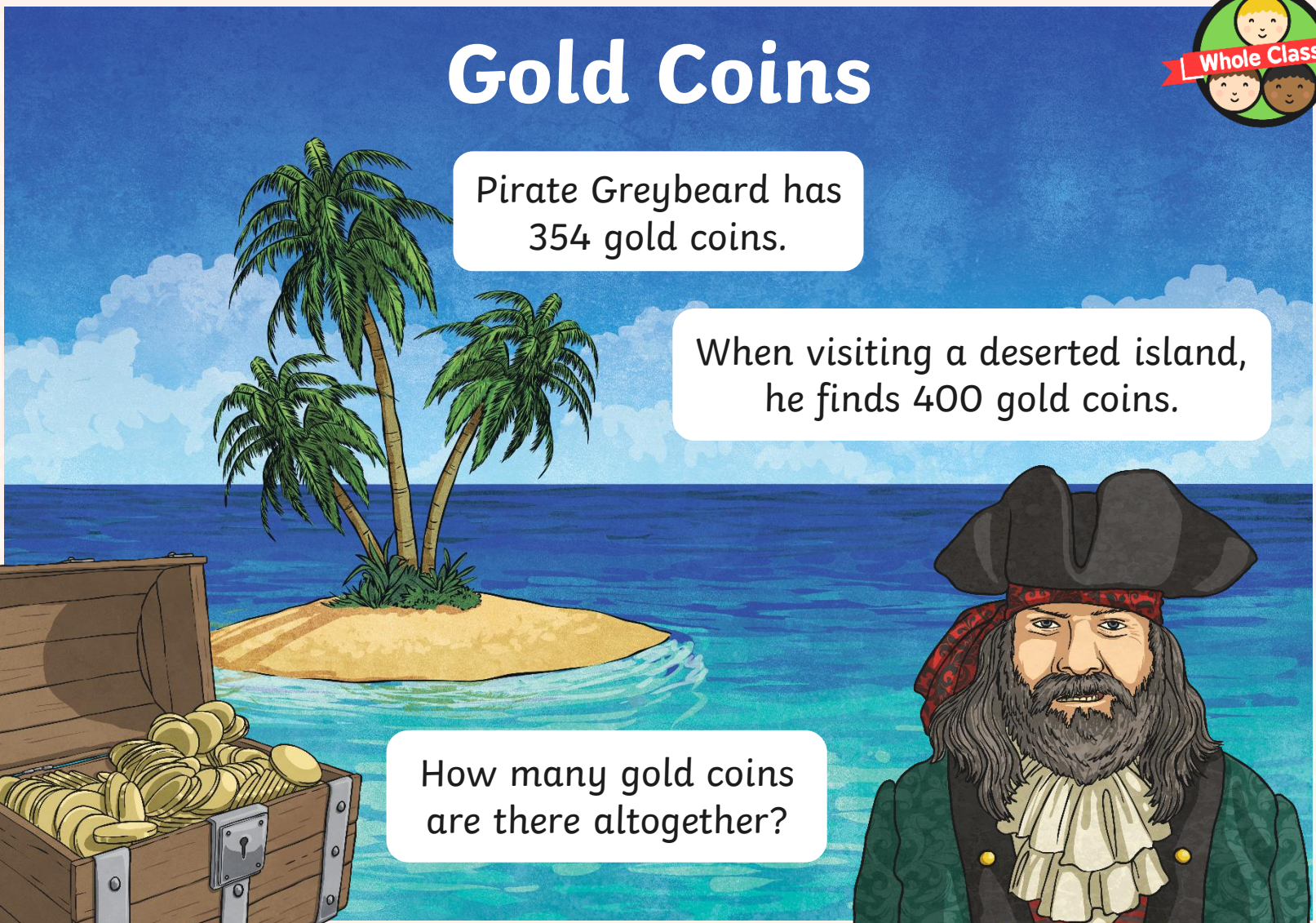
# Gold Coins

Pirate Greybeard has 354 gold coins.

When visiting a deserted island, he finds 400 gold coins.



How many gold coins are there altogether?



# Method 1



To work this out, you can use a range of methods.

The first method you can use is using your fingers.

Place the biggest number in your head.

Hold 4 fingers up. Each finger is worth 100.

Carry on counting in 100s from 354 using your fingers to help you.


The answer is 754 gold coins.  
What do you notice about the digits?





## Method 2

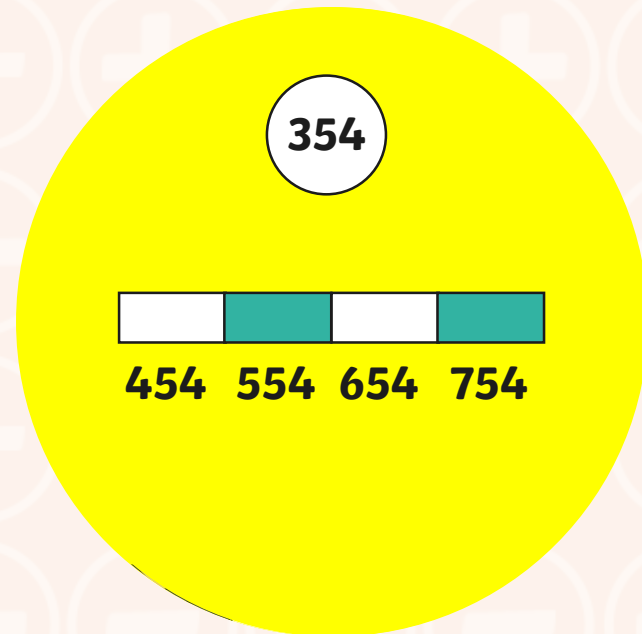


Another way to help you work this out is using a counting stick.

 Place the biggest number in your head.

 Carry on counting in hundreds from 354 for 4 spaces on the counting stick.

 The answer is 754 gold coins.



# Method 3

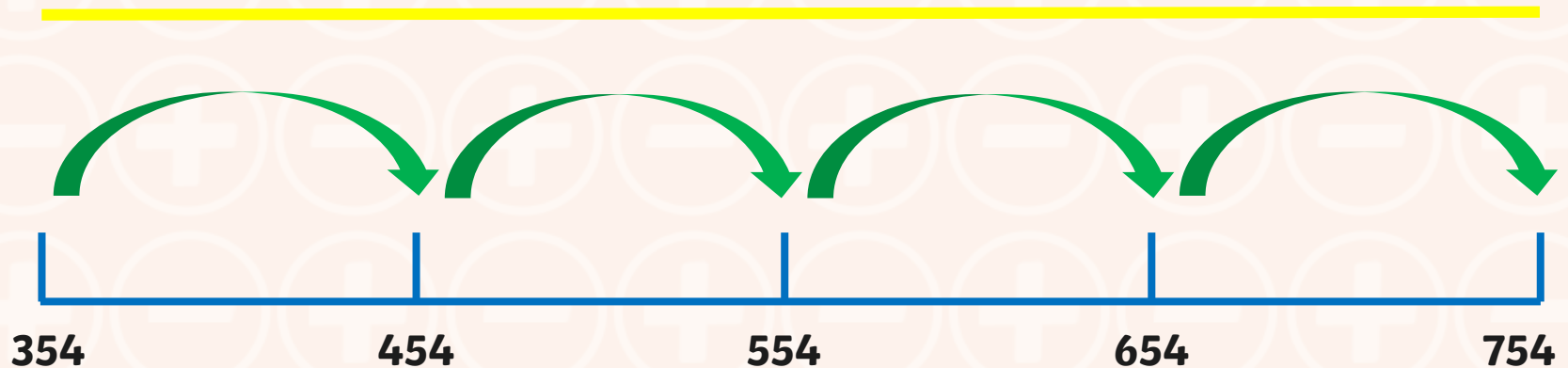


Another way to help you work this out is using a blank number line.



Place the biggest number at the beginning of the number line.

**+400**



Carry on counting, in jumps of 100, for 4 spaces on the number line.



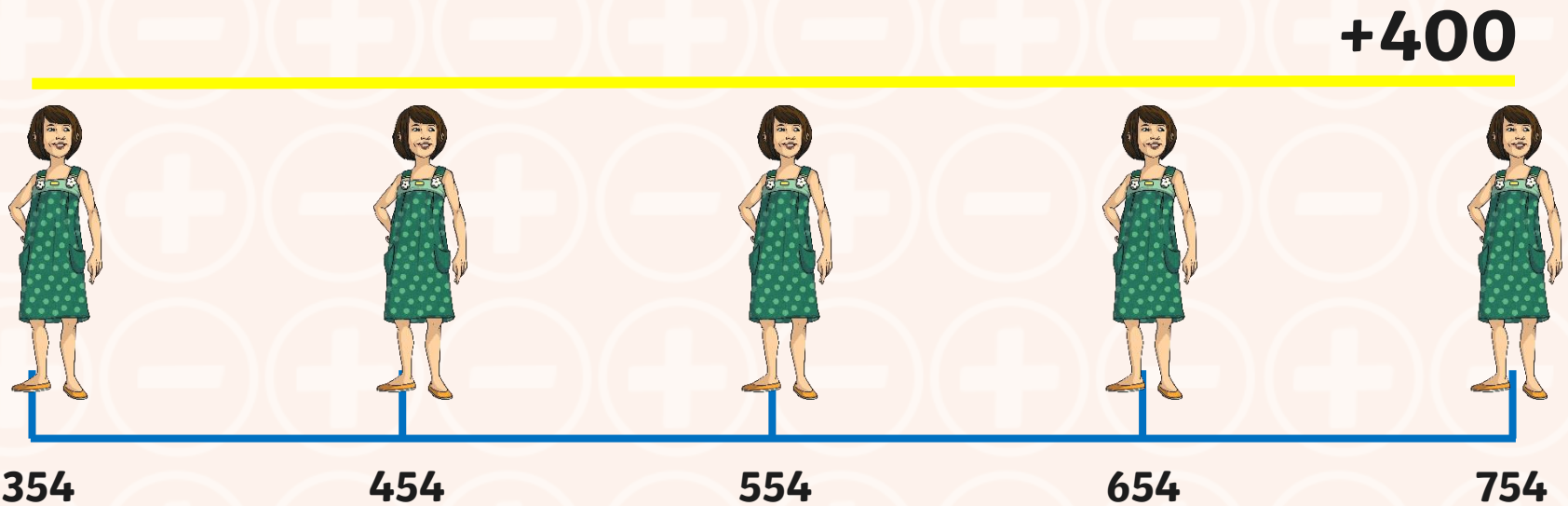
The answer is 754 gold coins.

# Method 4



Another way to help you work this out is using a blank number line but physically jumping the amount of steps whilst counting on at the same time.

Stand at the beginning of the number line on the floor. Think of the number in your head.



Carry on counting on, in 100s, for 4 jumps on the number line.

The answer is 754 gold coins.

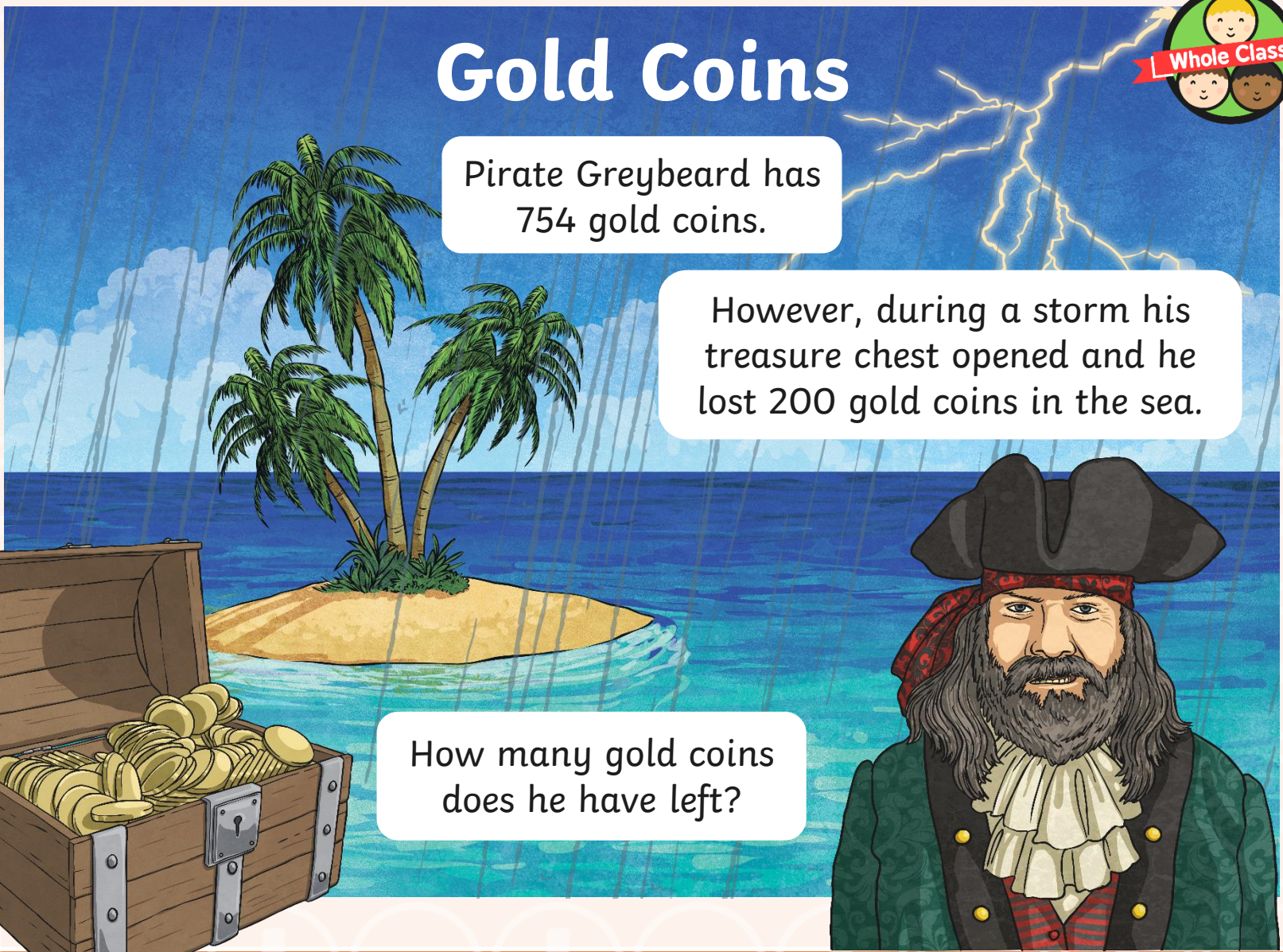


# Gold Coins

Pirate Greybeard has 754 gold coins.

However, during a storm his treasure chest opened and he lost 200 gold coins in the sea.

How many gold coins does he have left?



# Method 1



To work this out, you can use a range of methods.

The first method you can use is using your fingers.

Place the biggest number in your head.

Hold 2 fingers up.

Count back, in 100s, 2 numbers back from 754 using your fingers to help you.

The answer is 554 gold coins.  
What do you notice about the digits?

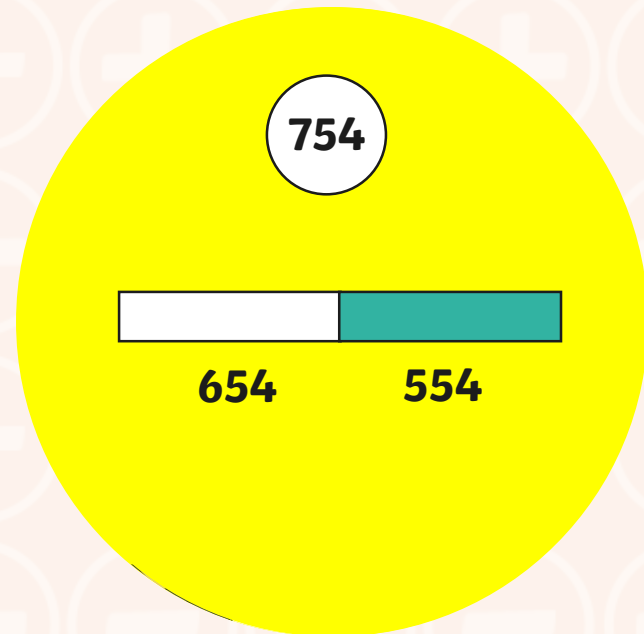


## Method 2



Another way to help you work this out is using a counting stick.

- Place the biggest number in your head.
- Count back, in 100s, from 754 for 2 spaces on the counting stick.
- The answer is 554 gold coins.



# Method 3

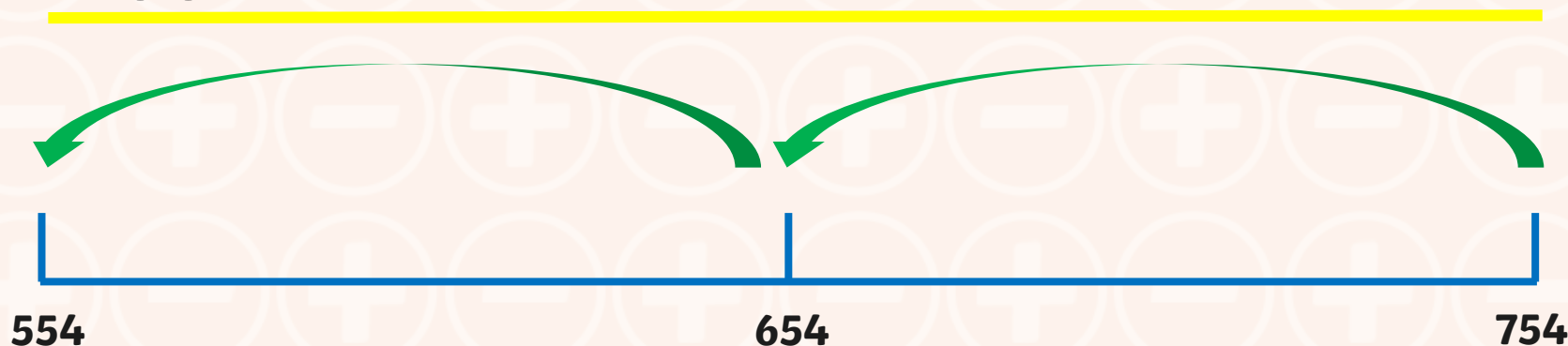


Another way to help you work this out is using a blank number line.



Place the biggest number at the end of the number line.

**-200**



Count back, in 100s, from 754 for 2 spaces on the number line.



The answer is 554 gold coins.

# Method 4



Another way to help you work this out is using a blank number line but physically jumping the amount of steps whilst counting on at the same time.

Stand at the beginning of the number line on the floor. Think of the largest number in your head.

**-200**



**554**



**654**



**754**

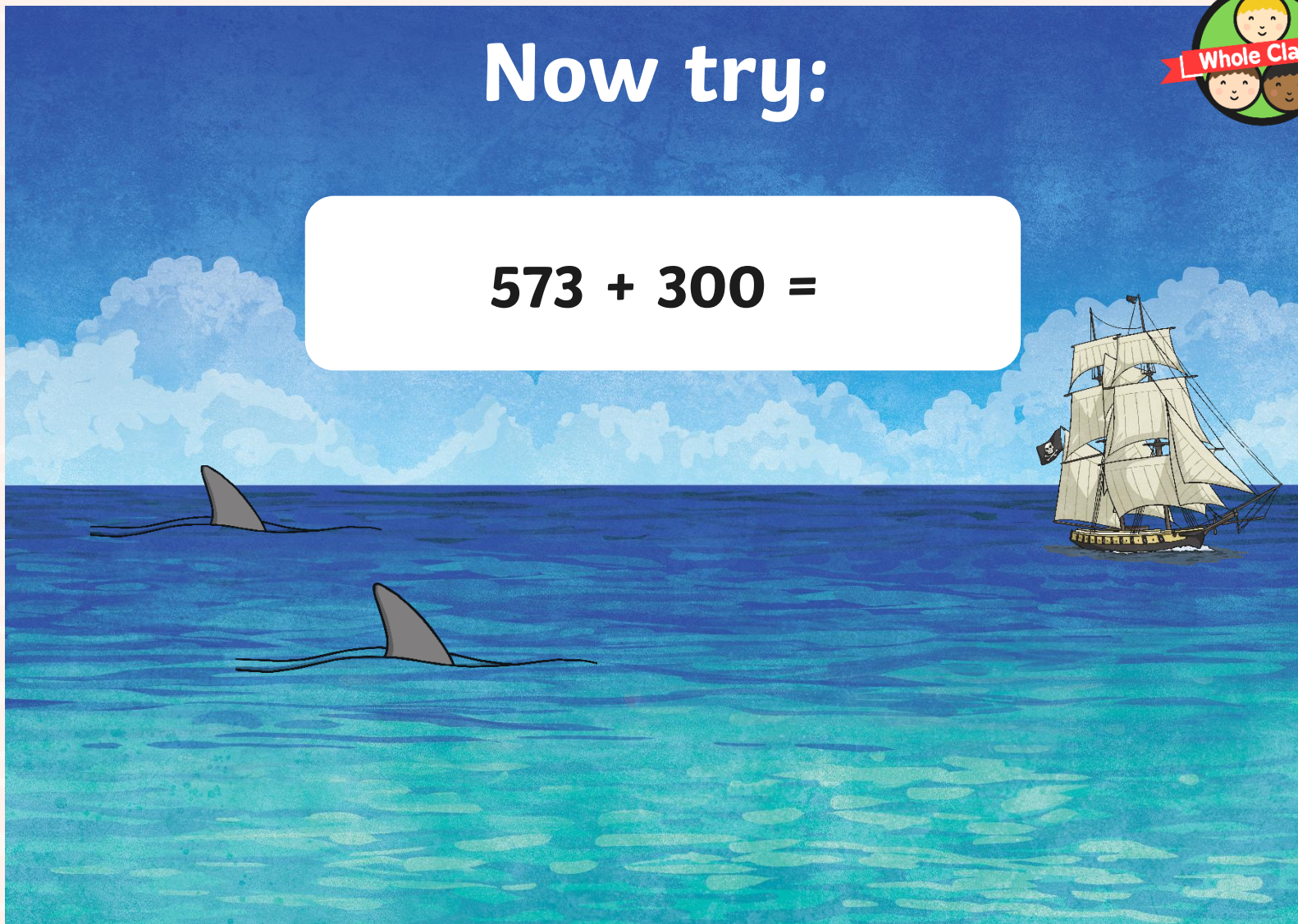
Carry on counting back, in 100s, from 754 for 2 spaces on the number line.

The answer is 554 gold coins.

Now try:



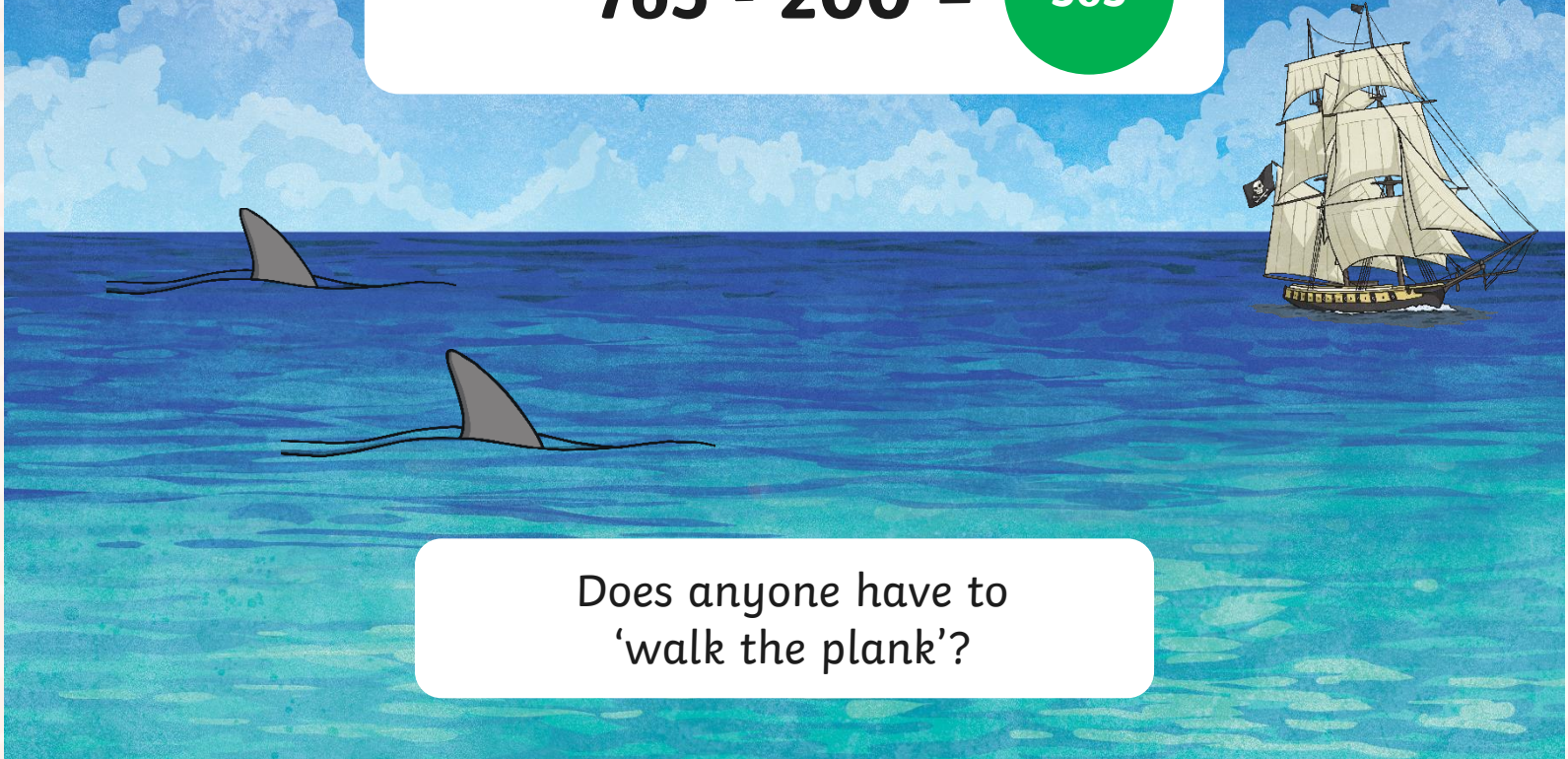
$$573 + 300 =$$



# Hop the Plank



$$765 - 200 = 565$$

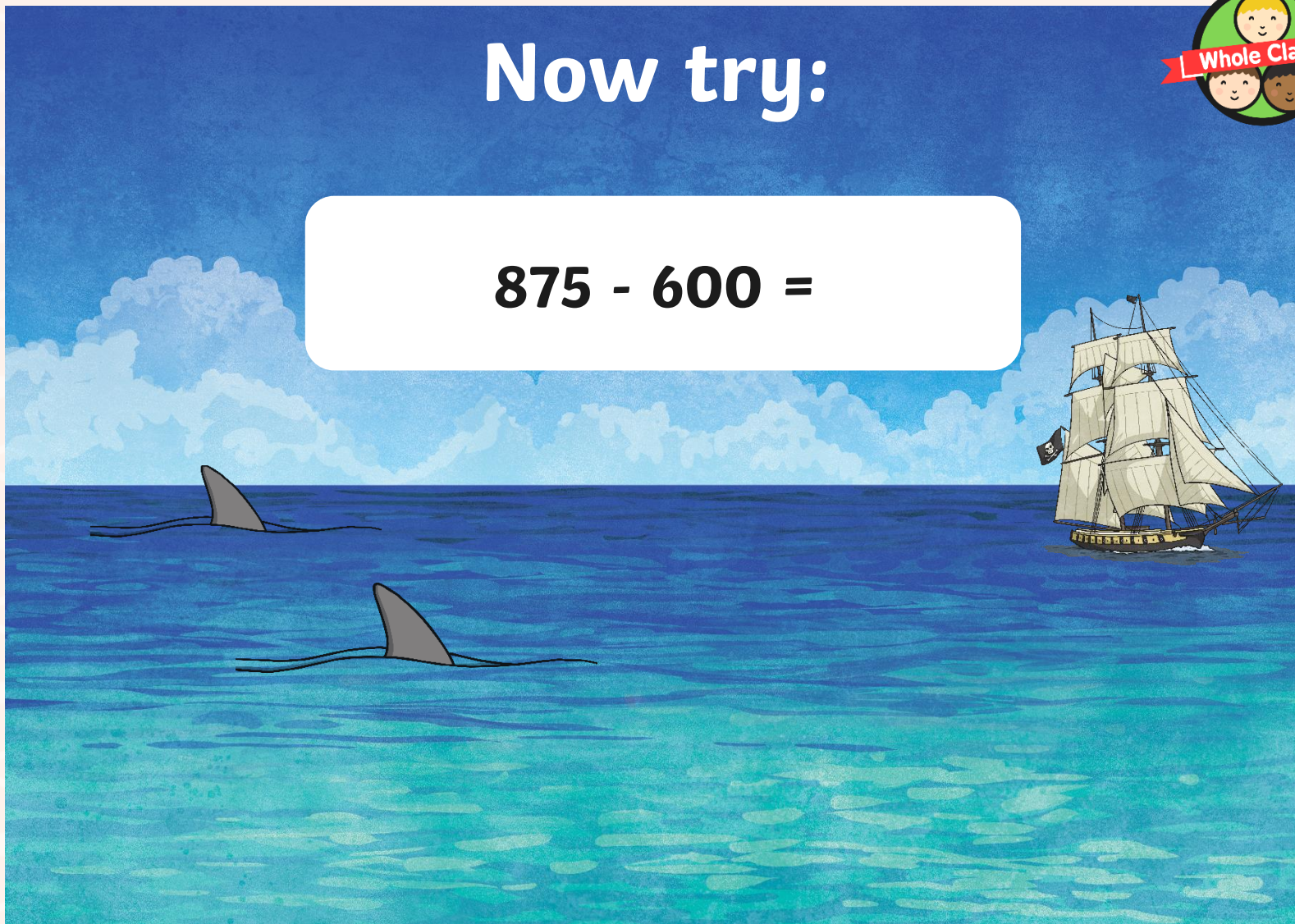


Does anyone have to  
'walk the plank'?

Now try:

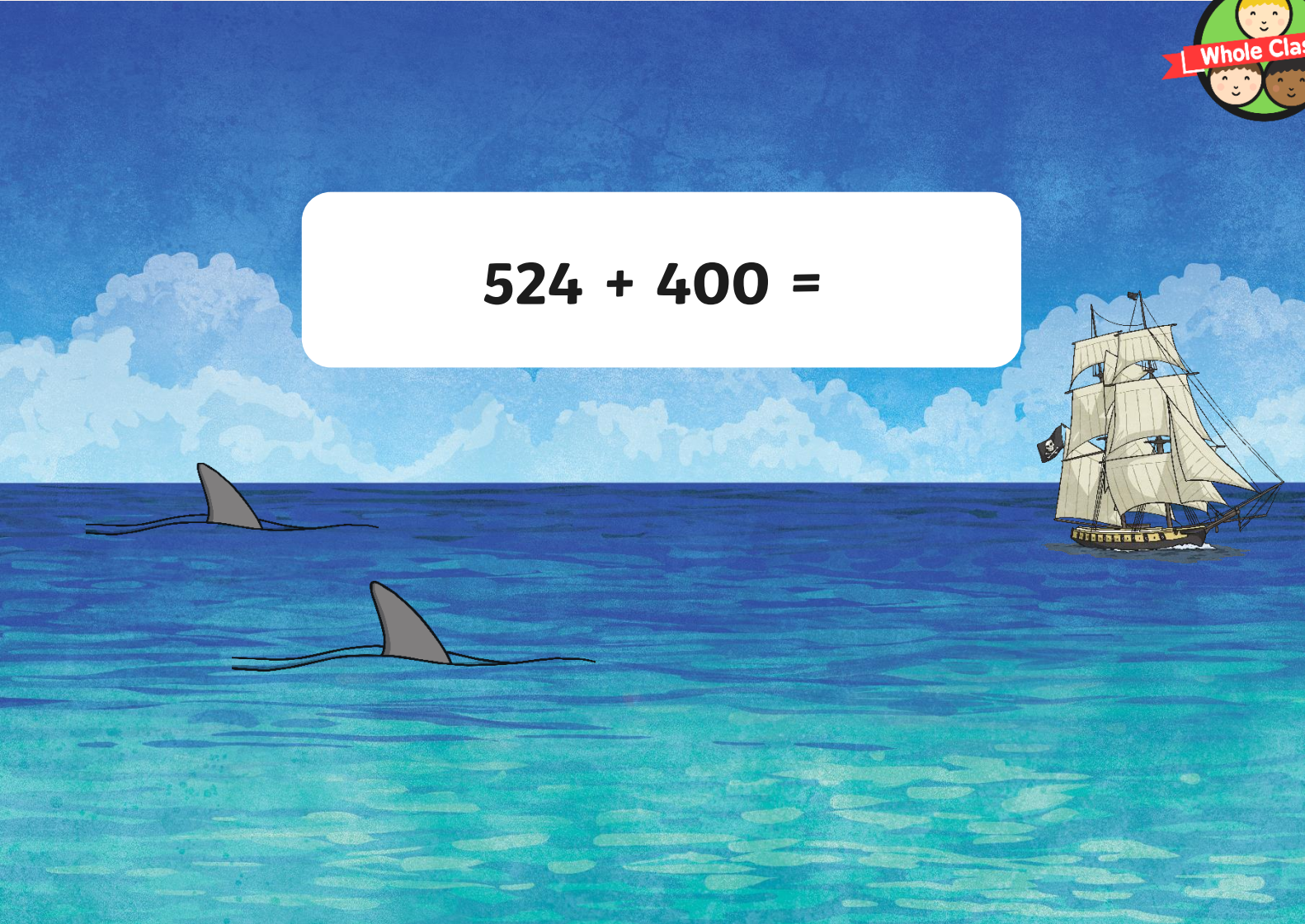


$$875 - 600 =$$





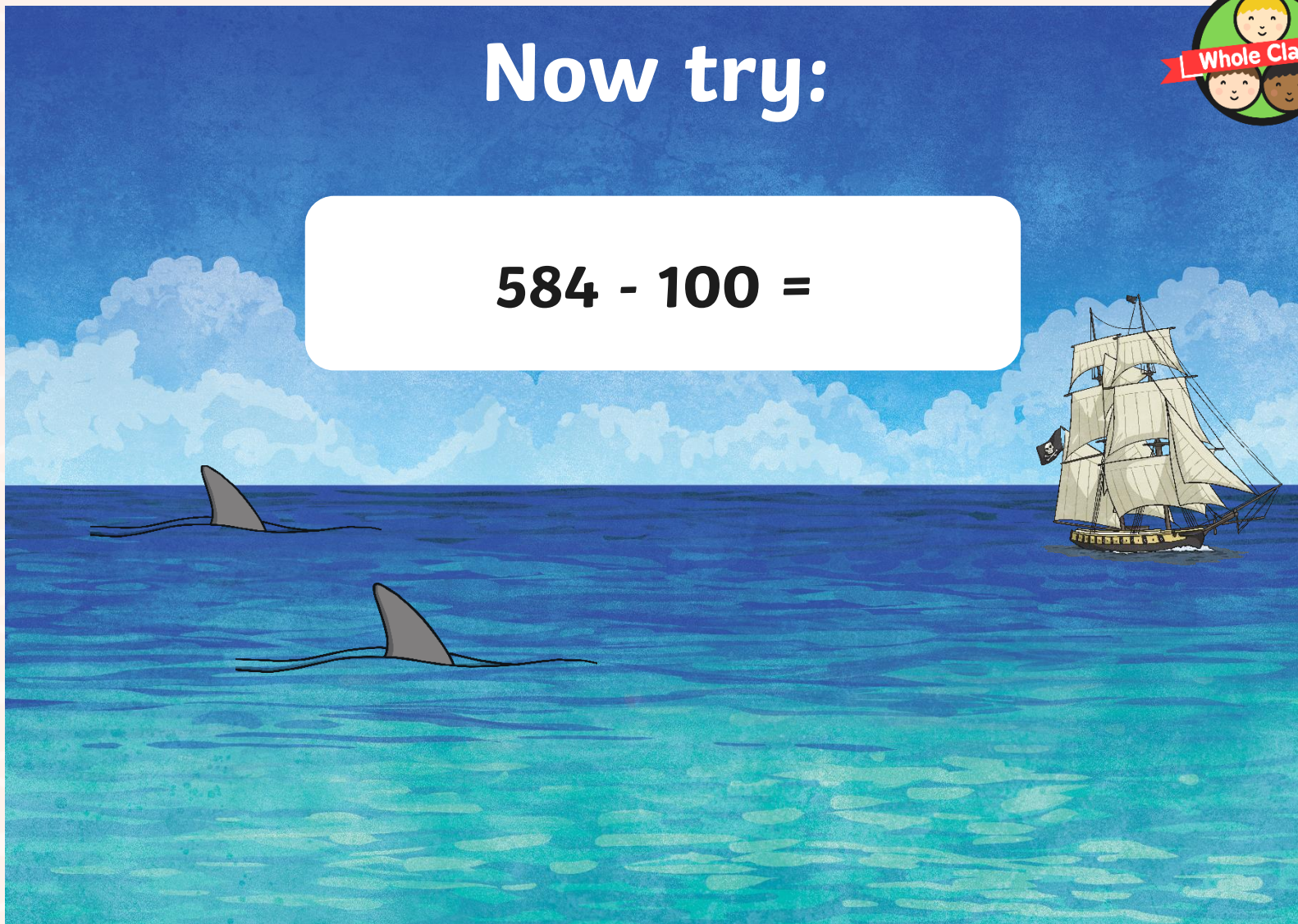
$$524 + 400 =$$



Now try:



$$584 - 100 =$$



Now try:



$$726 + 300 =$$

