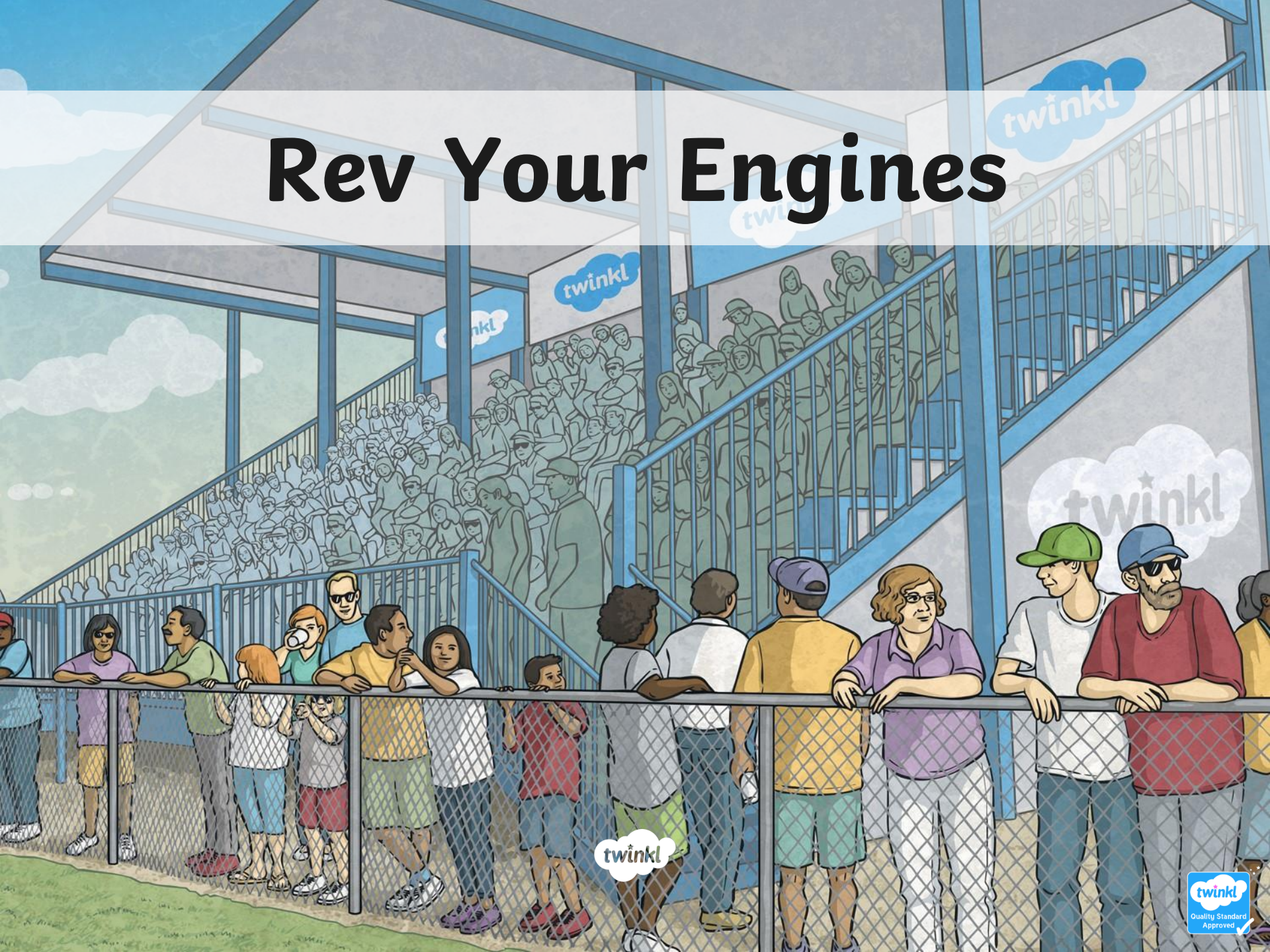


Rev Your Engines



Aim

- I can subtract numbers with up to two digits using a formal written method, without exchanging across the tens boundary.

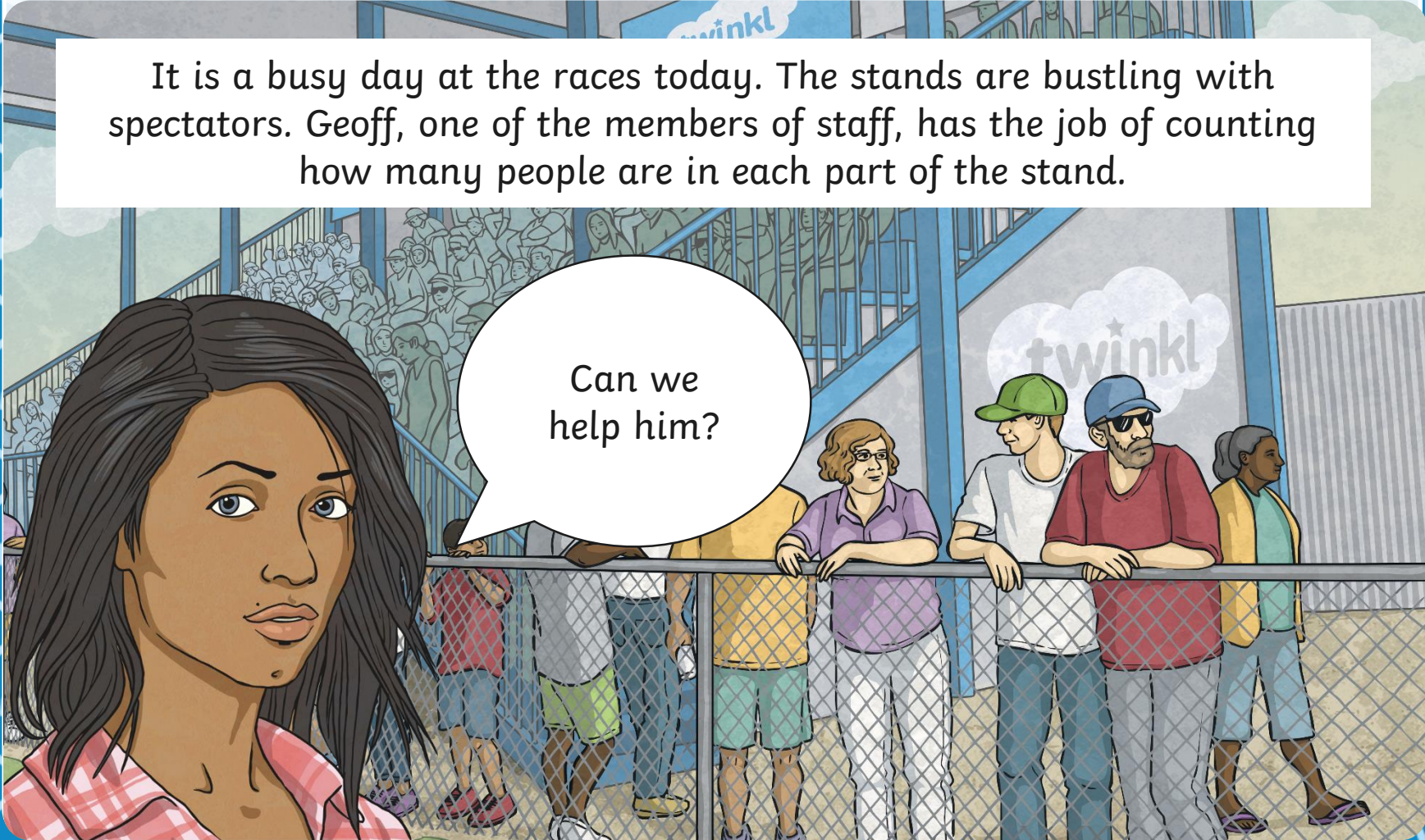
Success Criteria

- I can subtract numbers using a formal method.
- I can subtract numbers with up to two digits.
- I can subtract numbers without exchanging across the tens boundary.

Race Day



It is a busy day at the races today. The stands are bustling with spectators. Geoff, one of the members of staff, has the job of counting how many people are in each part of the stand.




Can we help him?

Race Day



There are 68 people in the stand. 43 people leave.
How many people are left in the stand?



To work this out, we can use a formal written method.

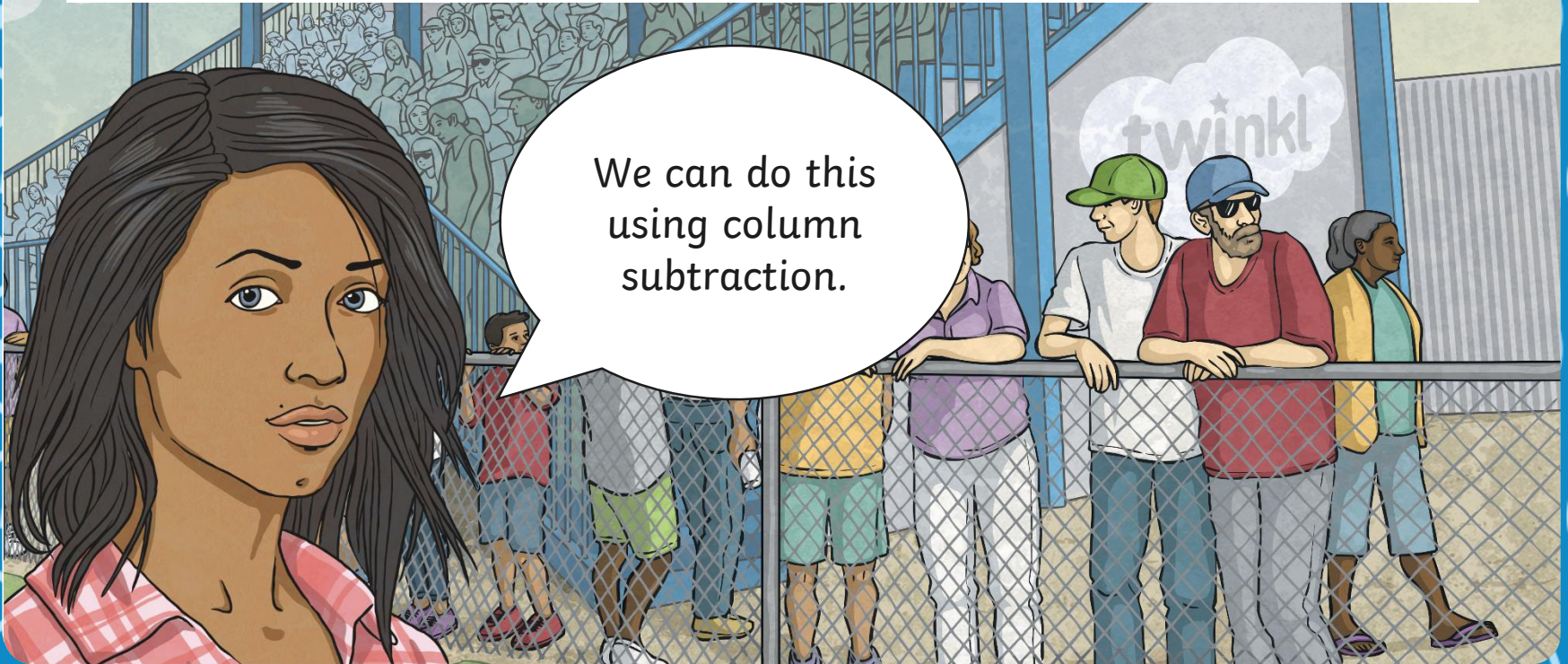
Race Day



Stand A

There are 68 people in the stand. 43 people leave.
How many people are left in the stand?

We can do this
using column
subtraction.



Race Day



$$\begin{array}{r} \text{TO} \\ 68 \\ - 43 \\ \hline 25 \end{array}$$

First, place the digits into the correct place value column

Next, look at the ones column and complete the subtraction calculation.

Write the answer underneath the line.

After, look at the tens column and complete the calculation.

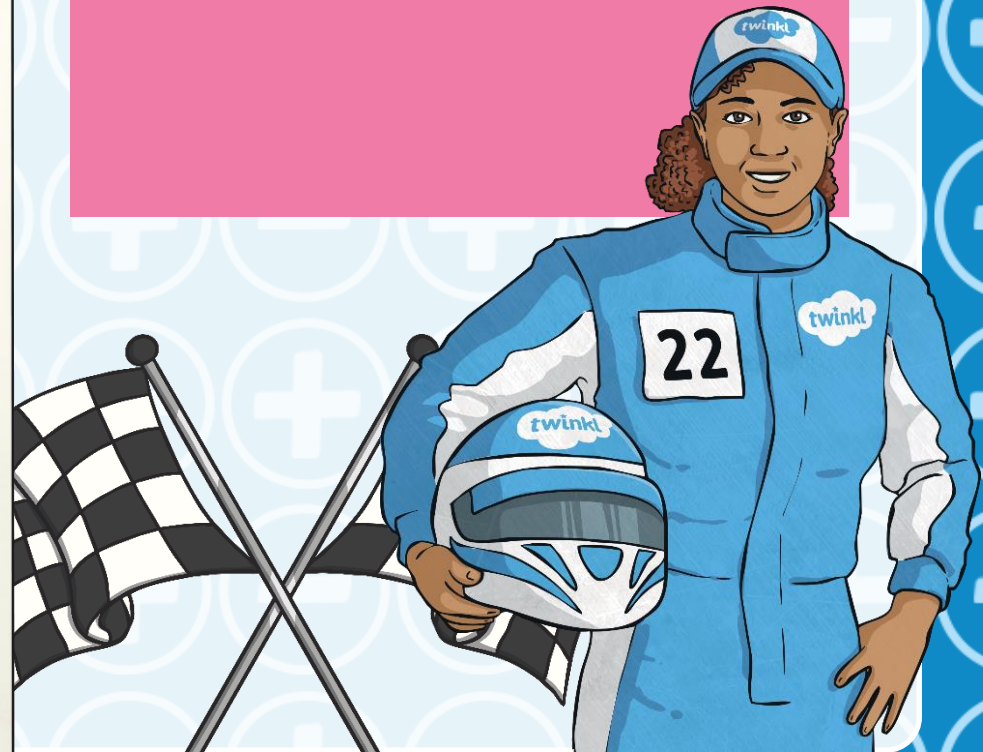
Write the tens answer under the line.

Race Day



$$\begin{array}{r} \text{TO} \\ 68 \\ - 43 \\ \hline 25 \end{array}$$

$$68 - 43 = 25$$




Race Day



Stand A

There are 68 people in the stand. 43 people leave.
How many people are left in the stand?



Let's see what
the calculation
looks like using
ten blocks.

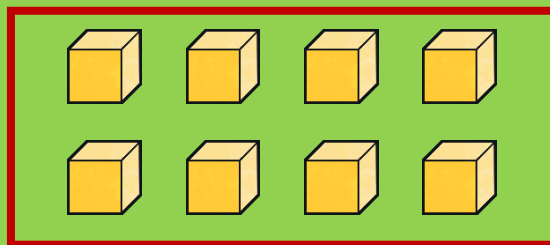
Race Day



$$\begin{array}{r} \text{T O} \\ 68 \\ - 43 \\ \hline 5 \end{array}$$

First, place the digits into the correct place value column

Next, look at the ones column and complete the subtraction calculation.



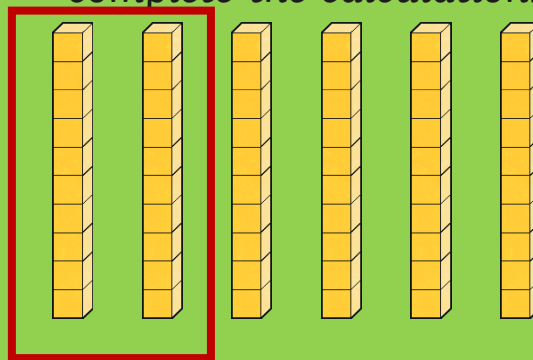
Write the answer underneath the line.

Race Day



$$\begin{array}{r} \text{TO} \\ 68 \\ - 43 \\ \hline 25 \\ \hline \end{array}$$

After, look at the tens column and complete the calculation.

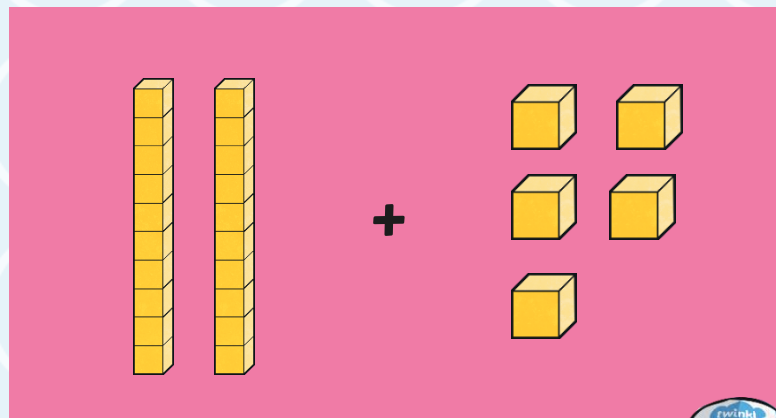


Write the tens answer under the line.

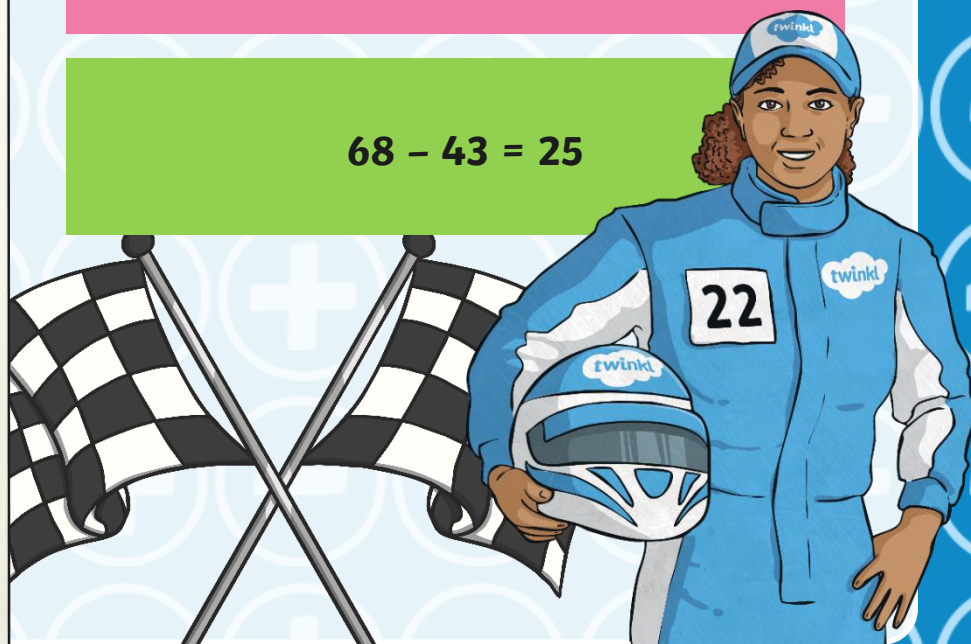
Race Day



$$\begin{array}{r} \text{T0} \\ 68 \\ - 43 \\ \hline 25 \end{array}$$



$$68 - 43 = 25$$



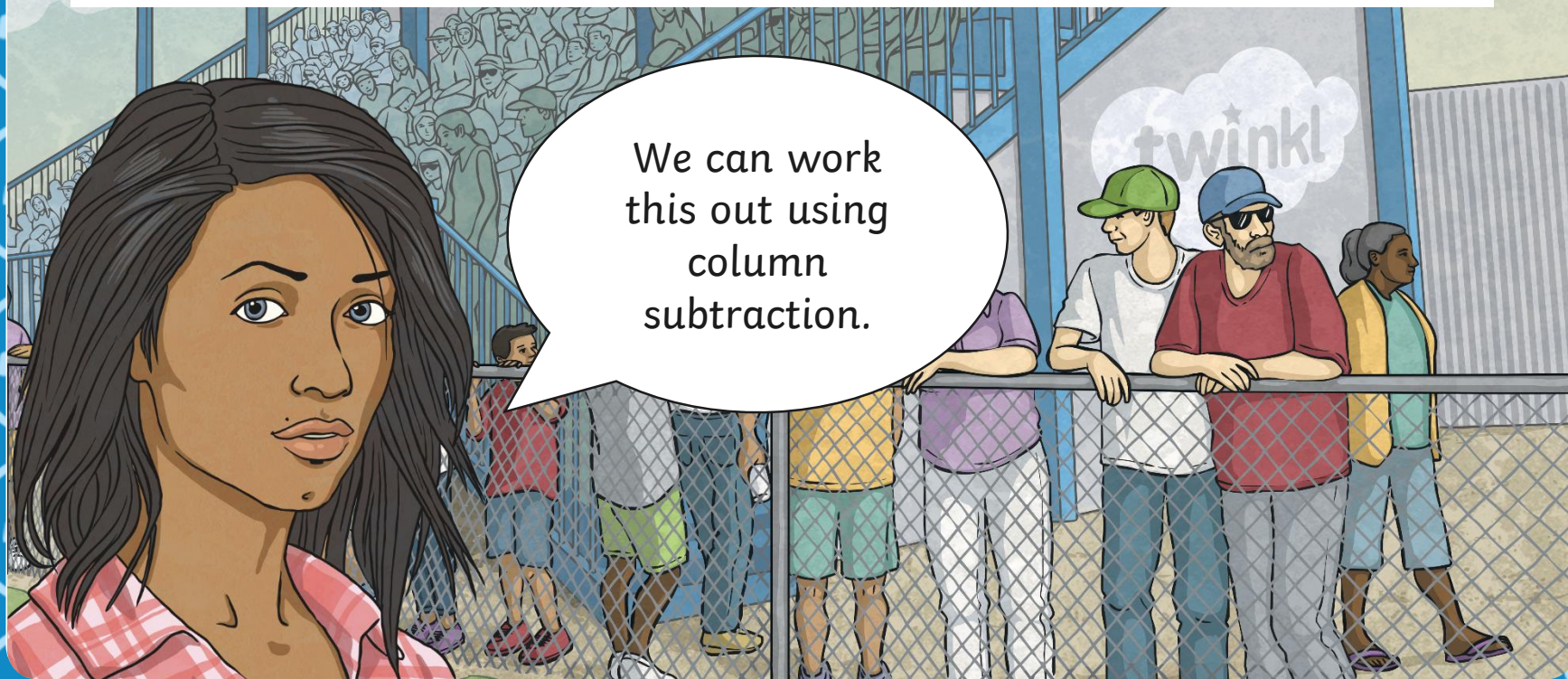
Race Day



Stand B

There are 75 people in the stand. 23 people leave.
How many people are left in the stand?

We can work this out using column subtraction.



Race Day



$$\begin{array}{r} \text{TO} \\ 75 \\ - 23 \\ \hline 52 \end{array}$$

First, place the digits into the correct place value column

Next, look at the ones column and complete the subtraction calculation.

Write the answer underneath the line.

After, look at the tens column and complete the calculation.

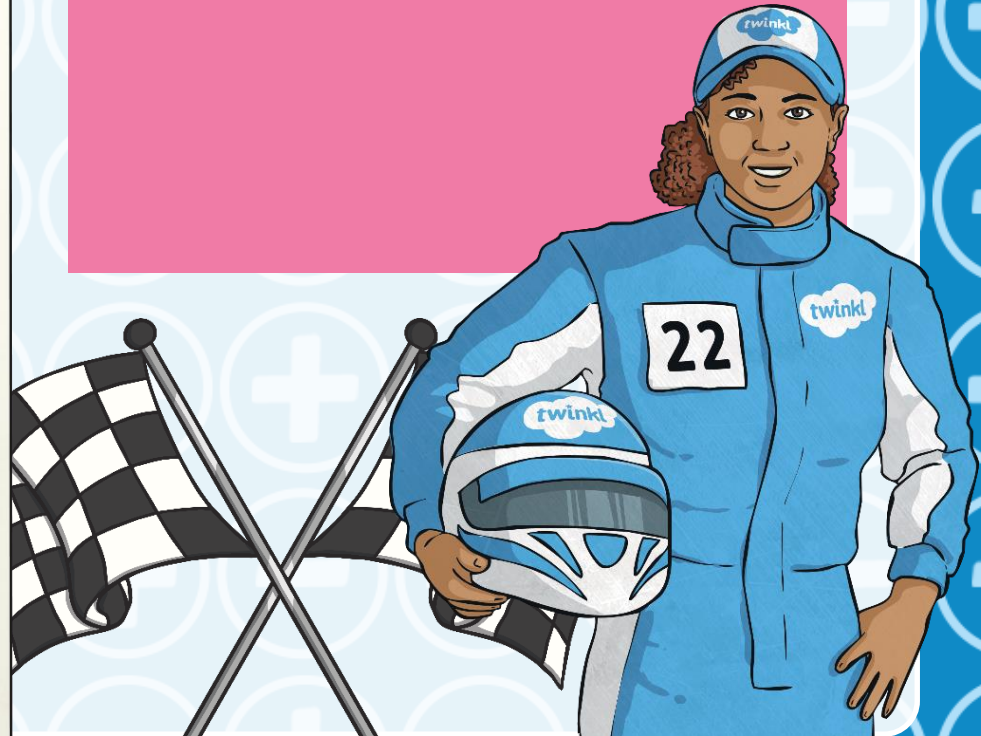
Write the tens answer under the line.

Race Day



$$\begin{array}{r} \text{TO} \\ 75 \\ - 23 \\ \hline 52 \end{array}$$

$$75 - 23 = 52$$



Race Day



Stand B

There are 75 people in the stand. 23 people leave.
How many people are left in the stand?

Let's see what
the calculation
looks like using
ten blocks.

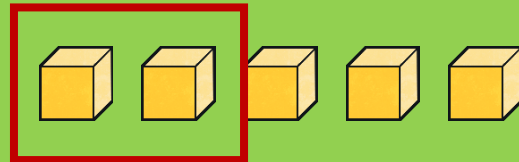
Race Day



$$\begin{array}{r} \text{T O} \\ 75 \\ - 23 \\ \hline 2 \end{array}$$

First, place the digits into the correct place value column

Next, look at the ones column and complete the subtraction calculation.



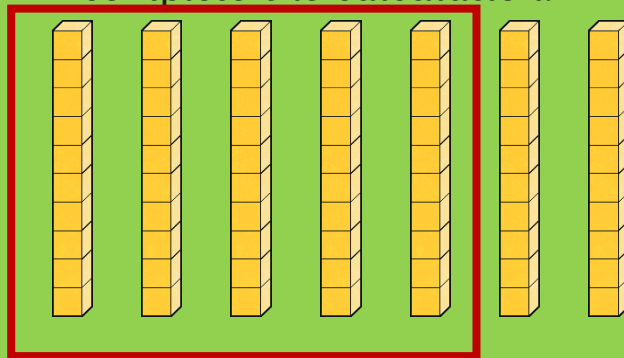
Write the answer underneath the line.

Race Day



$$\begin{array}{r} \text{TO} \\ 75 \\ - 23 \\ \hline 52 \end{array}$$

After, look at the tens column and complete the calculation.

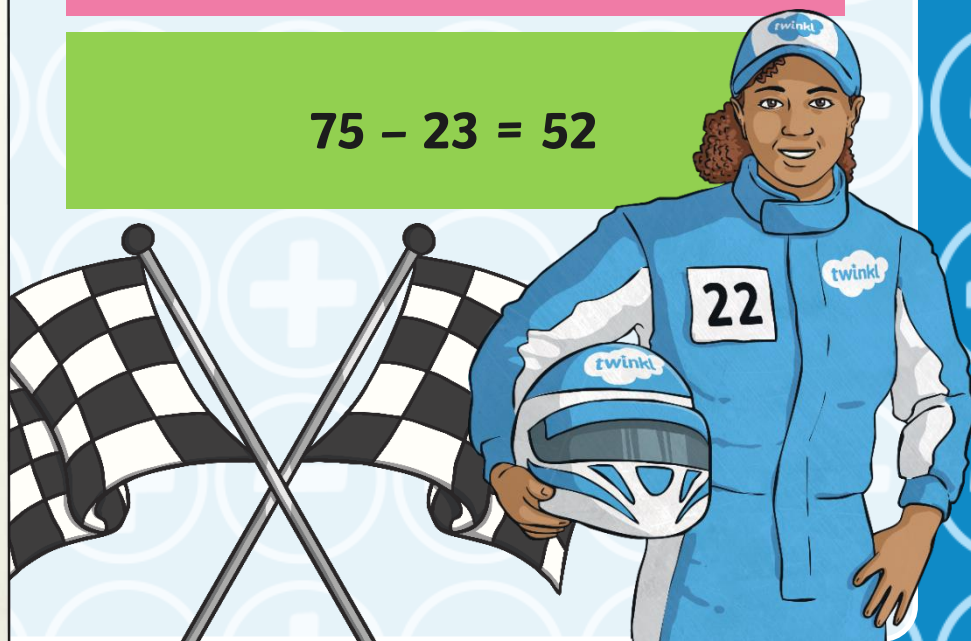
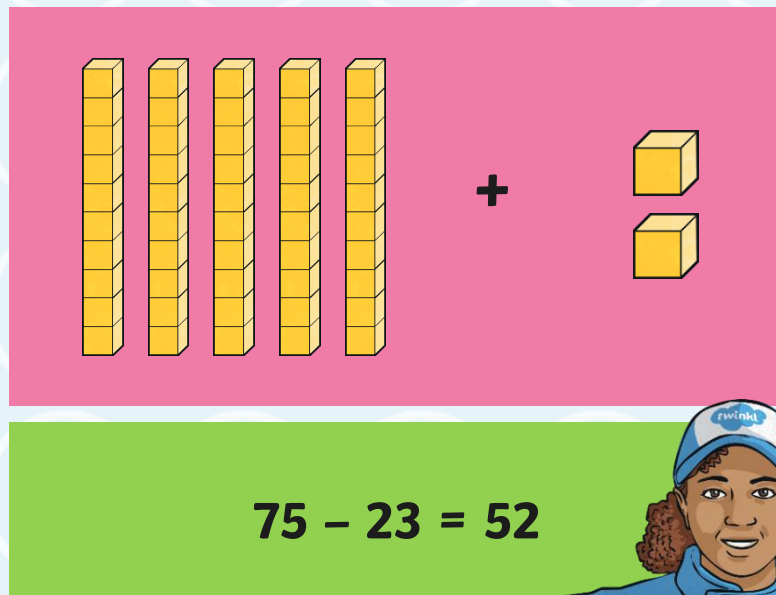


Write the tens answer under the line.

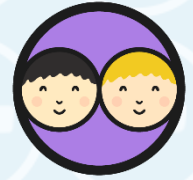
Race Day



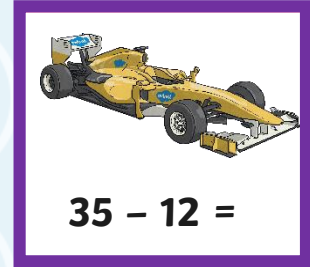
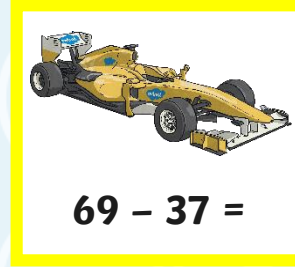
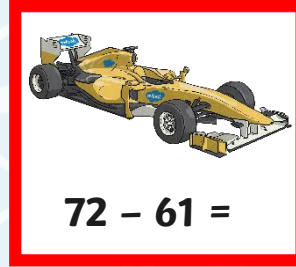
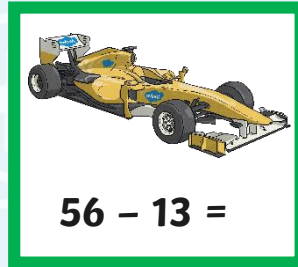
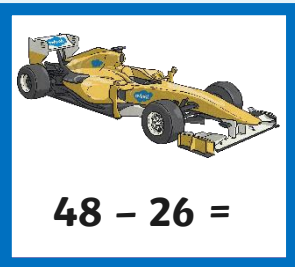
$$\begin{array}{r} \text{TO} \\ 75 \\ - 23 \\ \hline 52 \end{array}$$



Racing Car Driver

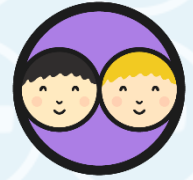


Using the method that I've just demonstrated, can you match the driver to the racing car?



Click on a calculation to reveal the answer!

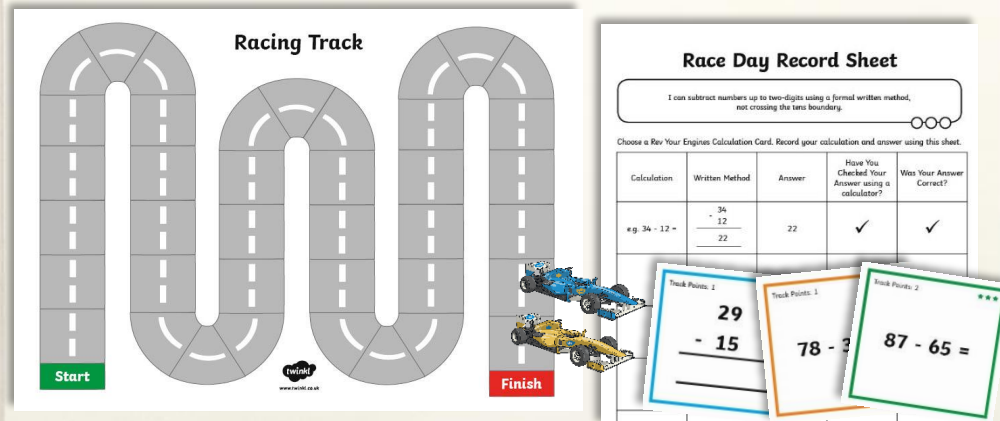
Rev Your Engines



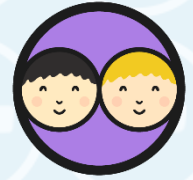
You will need to work with a pairs.

You will need:

- 1 **Racing Track**;
- 2 **Racing Cars**;
- 2 **Race Day Record Sheets**;
- 1 set of **Rev Your Engines Calculation Cards**.



Rev Your Engines



Race Day Record Sheet

I can subtract numbers up to two-digits using a formal written method, not crossing the tens boundary.

Choose a Rev Your Engines Calculation Card. Record your calculation and answer using this sheet.

Calculation	Written Method	Answer	Have You Checked Your Answer using a calculator?	Was Your Answer Correct?
eg. $34 - 12 =$	$\begin{array}{r} 34 \\ - 12 \\ \hline 22 \end{array}$	22	✓	✓

Track Points: 1
29
- 15

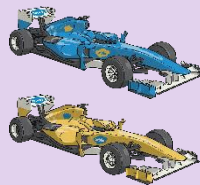
Track Points: 1
78 - 3

Track Points: 2
87 - 65 =

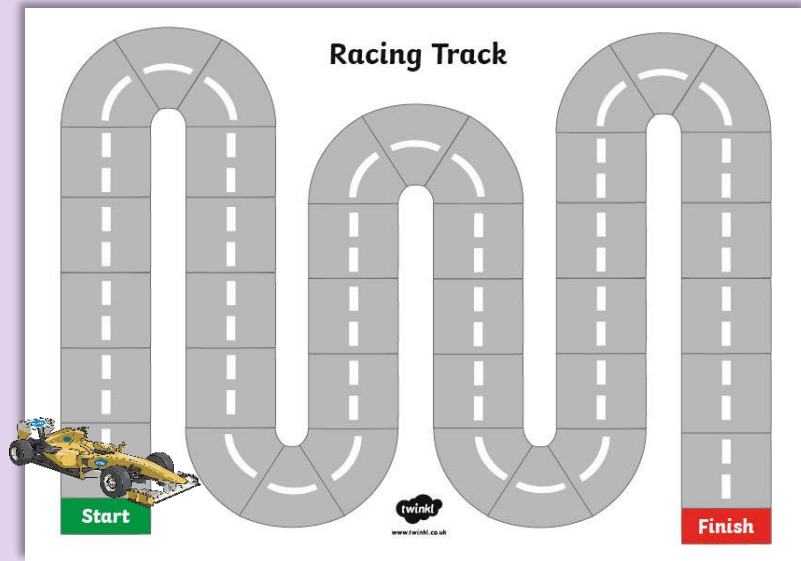
twinkl
Make Your Calculation and Answer! and Write Method Lesson 2 of Rev Your Engines

Taking turns, you will choose a Rev Your Engines Calculation Card, then complete the calculation using the Race Day Record Sheet.

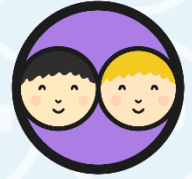
Then you will check the calculation using a calculator.



If the calculation is correct, you will move your Racing Car the desired number of spaces on the Racing Track, as shown on the Rev Your Engines Calculation Card.



Rev Your Engines



The first person to the finish line wins!

Remember to take your time checking your calculation before using a calculator because if the answer is incorrect, you will not be able to move your Racing Car on the Race Track.

Racing Track

Race Day Record Sheet

I can subtract numbers up to two-digits using a formal written method, not crossing the tens boundary.

Choose a Rev Your Engines Calculation Card. Record your calculation and answer using this sheet.

Calculation	Written Method	Answer	Have You Checked Your Answer using a calculator?	Was Your Answer Correct?
e.g. $34 - 12 =$	$\begin{array}{r} 34 \\ - 12 \\ \hline 22 \end{array}$	22	✓	✓

Task Points: 1
 $29 - 15 =$

Task Points: 1
 $78 - 3 =$

Task Points: 2
 $87 - 65 =$



Champions



If you subtract 5 from any number, the ones answer will always be 5.

Is she correct?
Explain your answer.



Champions



If you subtract
30 from 50, the
answer is 80.

Is he correct?
Explain your answer.

Champions



When completing a subtraction calculation, you always have to start by subtracting the ones.

Is he correct?
Explain your answer.



Champions



If I had 45 medals that were 1st place or 2nd place and 34 of the medals were 1st place, there would be 11 2nd place medals.

Is she correct?
Explain your answer.



Champions



You can never subtract a number if it doesn't have a number in the tens column. E.g. 9 or 105.

Is she correct?
Explain your answer.

