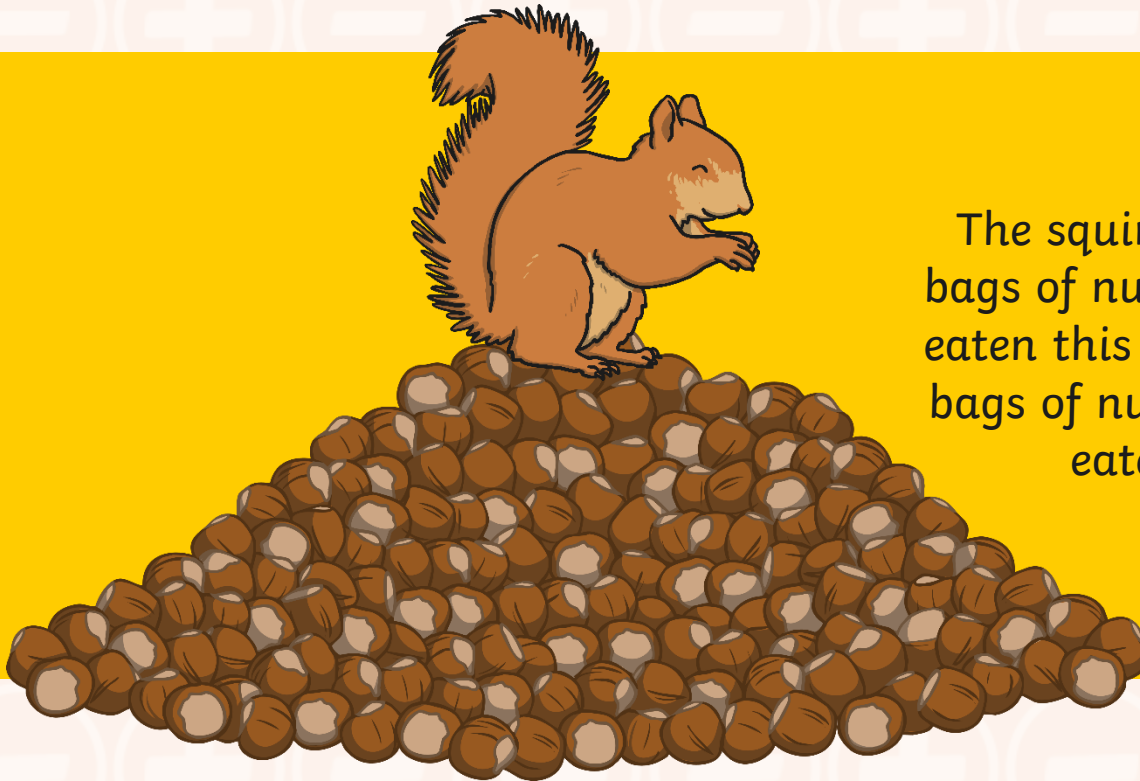


# Year 3 Maths

Mental Addition and Subtraction  
Methods and Questions to try

# Example Question



The squirrels have eaten 173 bags of nuts. 5 more bags were eaten this morning. How many bags of nuts have the squirrels eaten altogether?

# Method 1



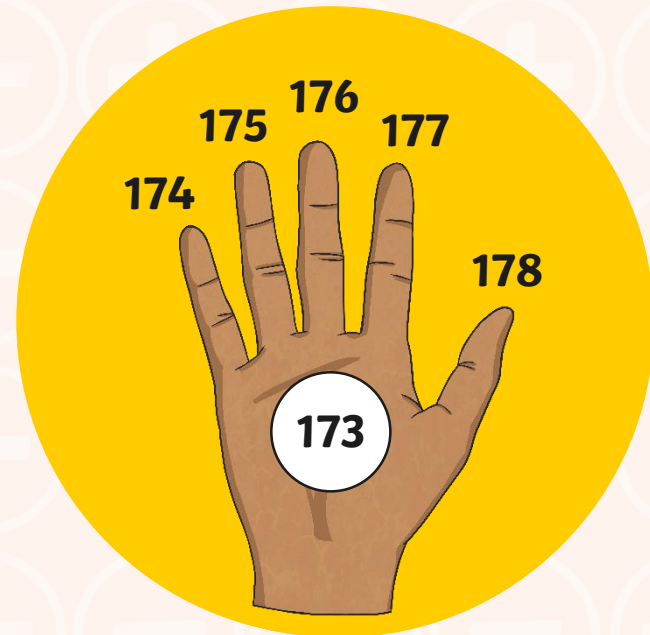
To work this out, you can use a range of methods.

The first method you can use is using your fingers.

Place the biggest number in your head.

Hold 5 fingers up.

Carry on counting 5 more from 173 using your fingers to help you.

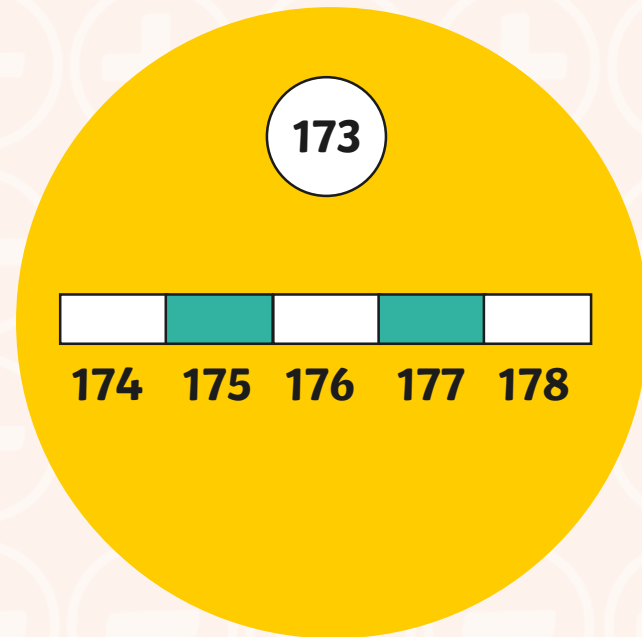


## Method 2



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

- Place the biggest number in your head.
- Carry on counting from 173 for 5 spaces on the counting stick.
- The answer is 178 bags of nuts.



# Method 3

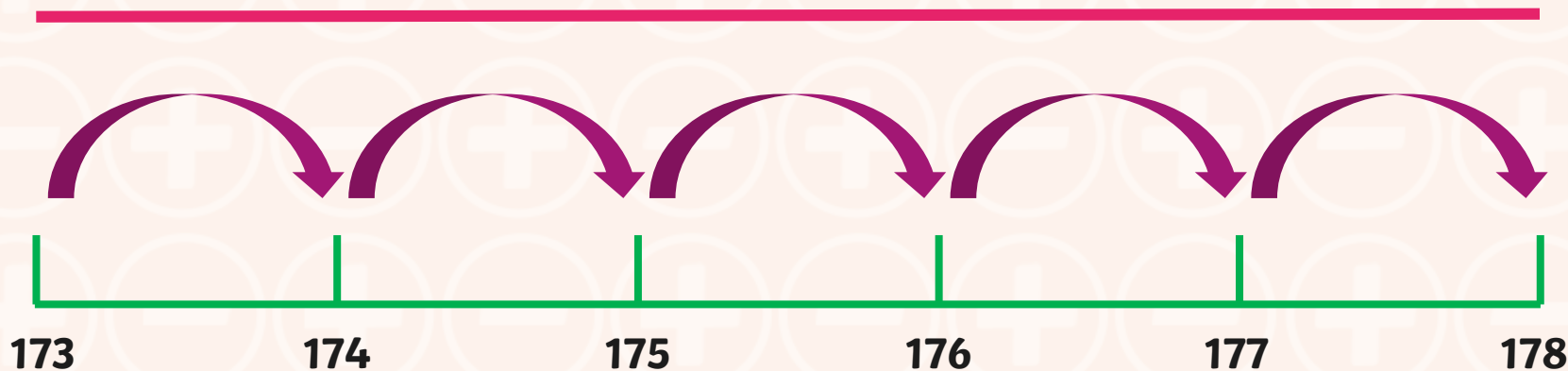


Another way to help you work this out is using a blank number line.



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

+5



Carry on counting from 173 for 5 spaces on the number line.



The answer is 178 bags of nuts.

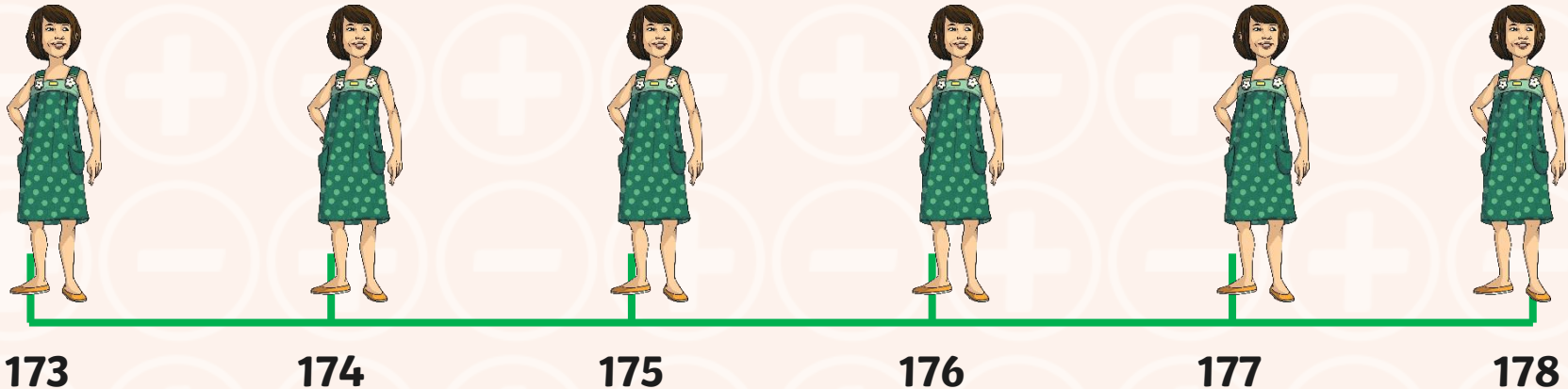
# Method 4



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.

+5



173

174

175

176

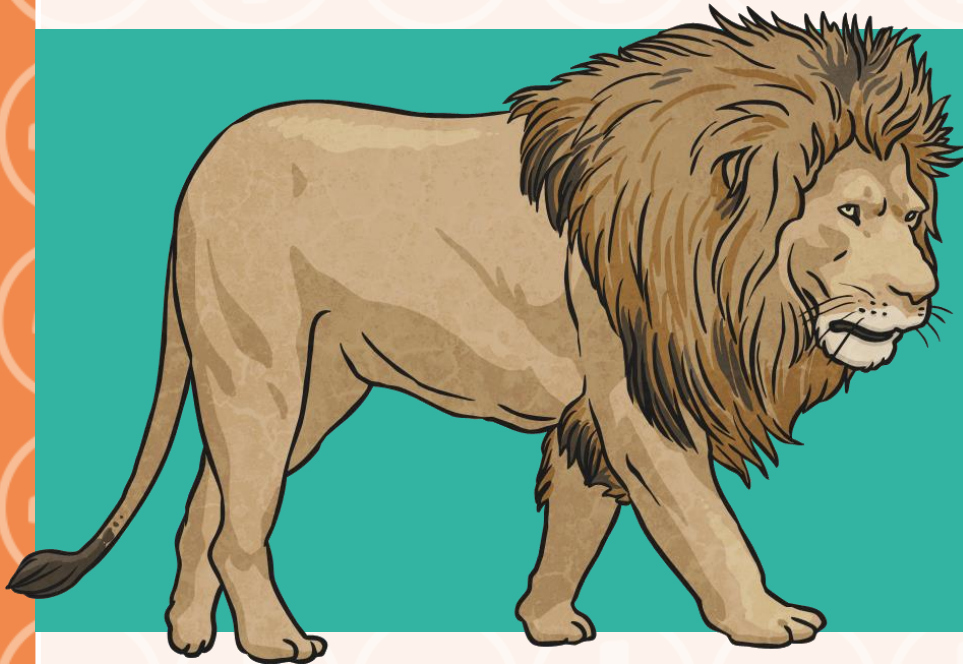
177

178

Carry on counting from 173 for 5 jumps on the number line.

The answer is 178 bags of nuts.

## Example Question 2



The wildlife keeper ordered 348kg of meat for the lions. So far, the lions have eaten 6kg of meat. How many kilograms of meat are 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 6 fingers up.

Count 6 numbers back from 348 using your fingers to help you.

The answer is 342 kilograms of meat.

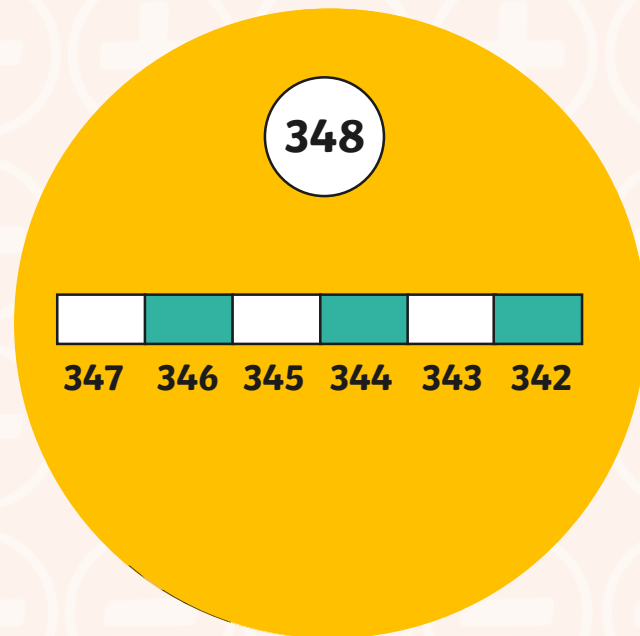


## Method 2



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

- Place the biggest number in your head.
- Count back from 348 for 6 spaces on the counting stick.
- The answer is 342 kilograms of meat.



# Method 3

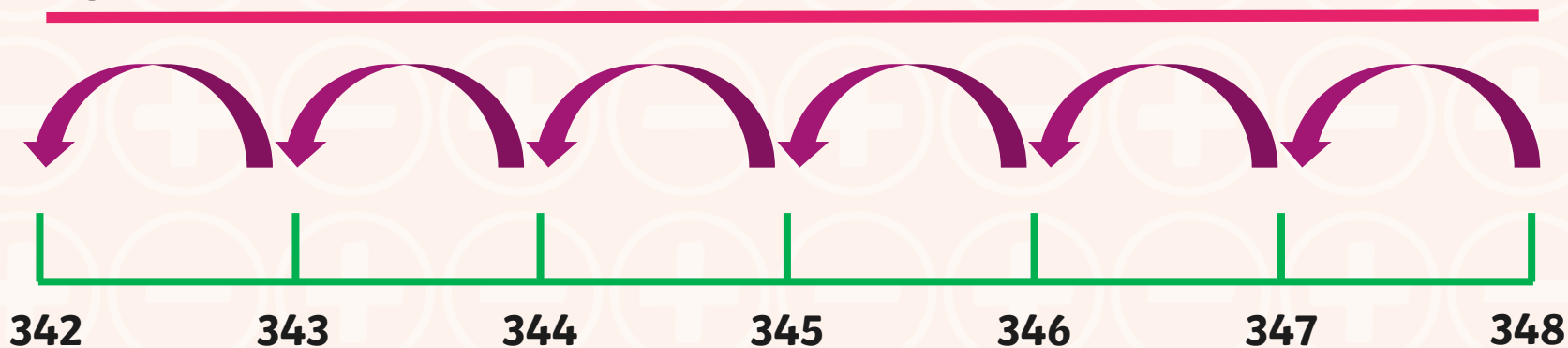


Another way to help you work this out is using a blank number line.



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

**-6**



Count back from 348 for 6 spaces on the number line.



The answer is 342 kilograms of meat.

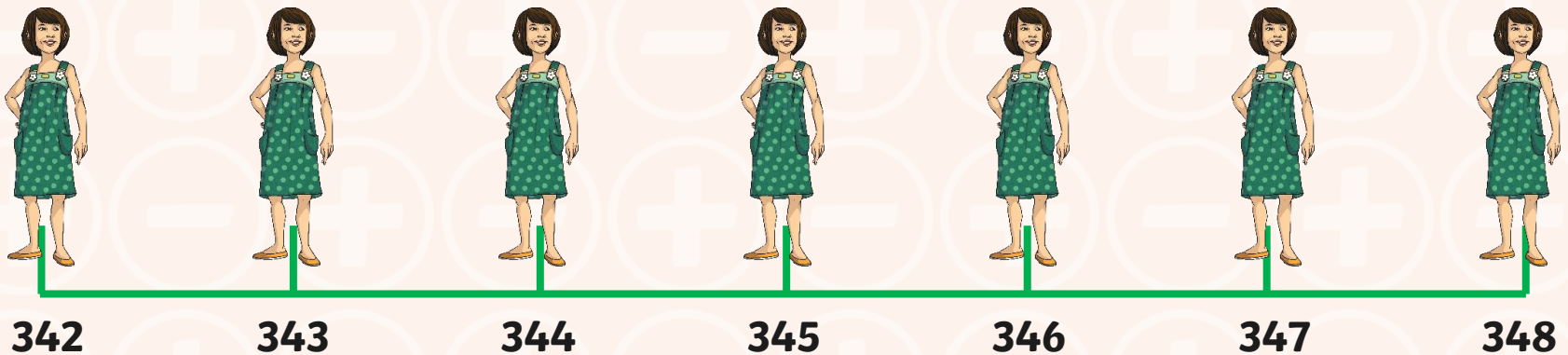
# Method 4



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.

**-6**



Count back from 348 for 6 jumps on the number line.

The answer is 342 kilograms of meat.

# Try this:



There are 134 kangaroos in  
the Wildlife Park.

7 more joeys are born.

How many kangaroos are  
there at the park now?

Try this:

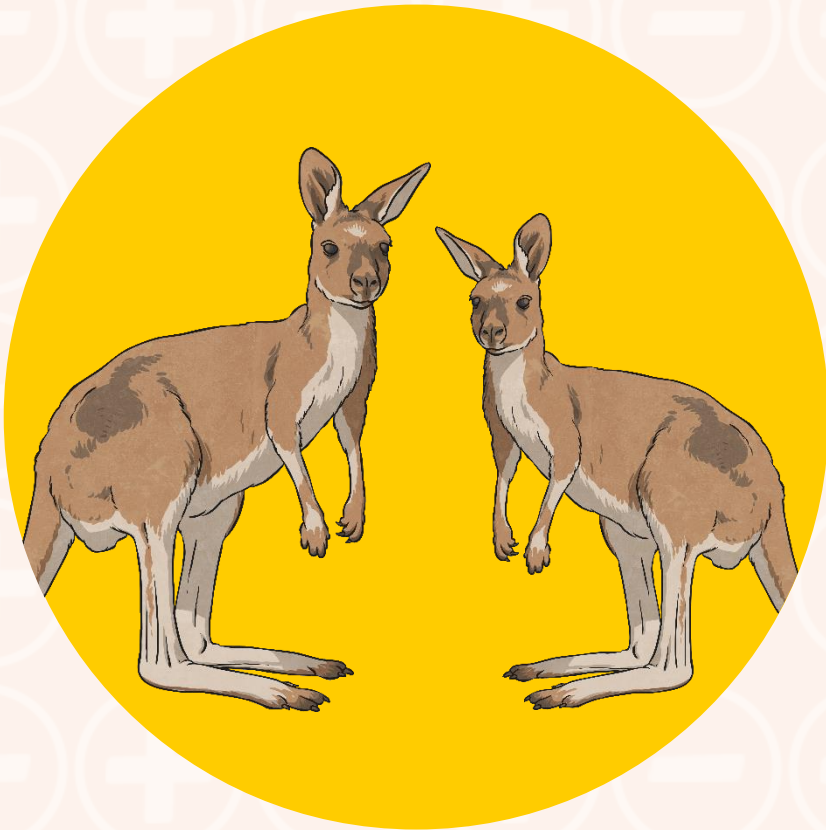


The wildlife keeper has left  
129 bags of shrubs in the  
kangaroo enclosure.

The kangaroos have been very  
naughty and eaten 9 bags of  
shrubs, while the wildlife keeper  
went to stroke a joey.

How many bags of shrubs  
are left over?

Try this:



Bert, the biggest kangaroo at the wildlife park, can hop 132 times in a minute.

Sasha, the second biggest kangaroo, hops 5 times fewer than Bert in a minute.

How many hops in a minute can Sasha do?