

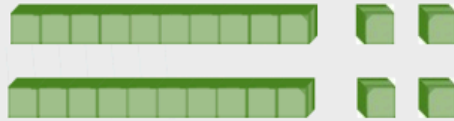
Lesson 5-

I can multiply 3
numbers

Now we have mastered
multiplying 2 numbers, today
we are going to try
multiplying 3 numbers.

Starter:

Match the picture to the correct sentence.



3 lots of 10 + 3 lots of 1
is the same as 3 lots of 11

2 lots of 10 + 2 lots of 2
is the same as 2 lots of 12

2 lots of 10 + 2 lots of 1
is the same as 2 lots of 11

Starter: answer

Match the picture to the correct sentence.



3 lots of 10 + 3 lots of 1
is the same as 3 lots of 11

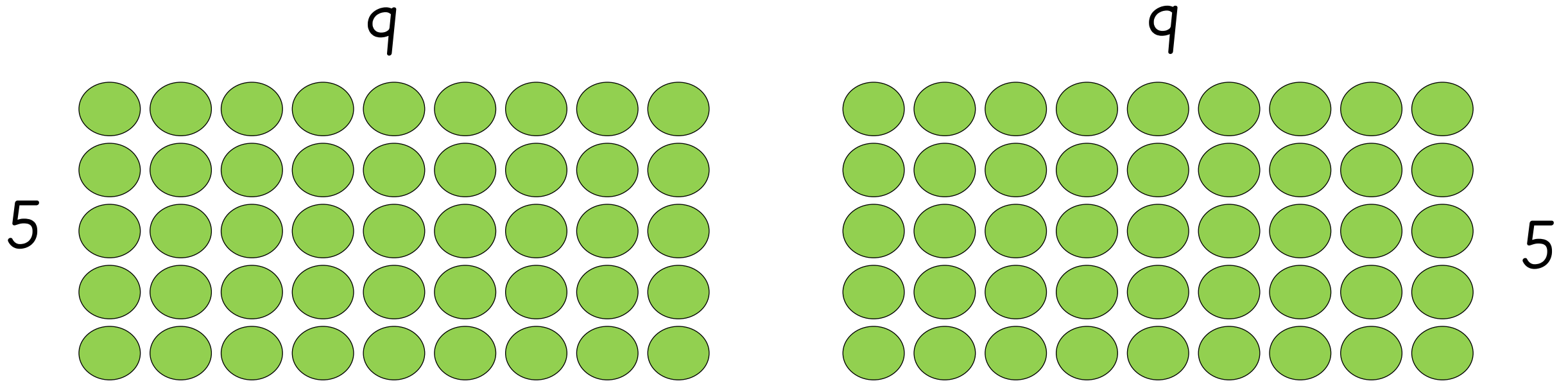
2 lots of 10 + 2 lots of 2
is the same as 2 lots of 12

2 lots of 10 + 2 lots of 1
is the same as 2 lots of 11

Multiplying 3 numbers...

$$9 \times 5 \times 2 =$$

If we used an array to represent this, it would look like this...



2 times

Top tips:

To make it easier to work out $9 \times 5 \times 2$, we can use our multiplication knowledge to help us.

$$9 \times 5 \times 2 =$$

Step 1 - Look for 2 facts which will make your multiplication sentence easier to work out.

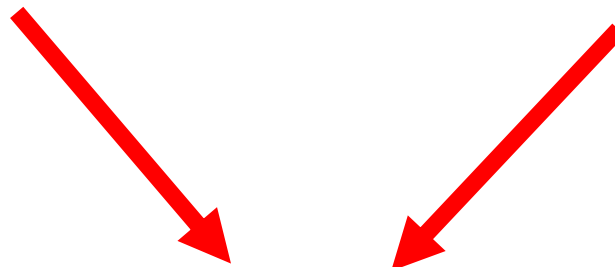
$$5 \times 2 = 10$$

Step 2- Then we can multiply this by 9 because that is the remaining number to multiply.

$$9 \times 10 = 90$$

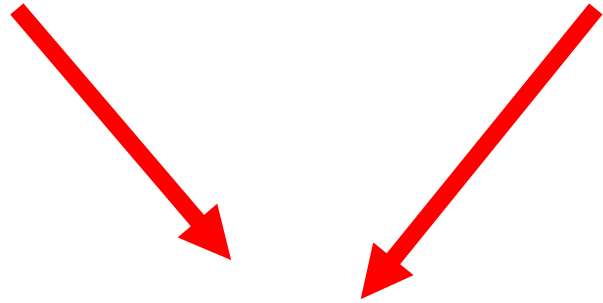
The first solution could be...

$$9 \times 5 \times 2 =$$


$$9 \times 10 = 90$$

Another solution would be...

$$9 \times 5 \times 2 =$$



$$45 \times 2 = 90$$

It may be easier to multiply 9×10 , than 45×2 . However, they both get the same answer.

$$6 \times 4 \times 2 =$$

Step 1- $4 \times 2 = 8$

Step 2 $- 8 \times 6 = 48$

$$6 \times 4 \times 2 = 48$$

Now it's your turn to try and multiply 3 numbers. Use the top tips to help you find the easiest way of completing the problems.