

Lesson 1-

I can multiply by 10  
and 100

# Multiplication

Multiplication, one of the four basic operations of arithmetic, gives the result of combining groups of equal sizes.

Starter:

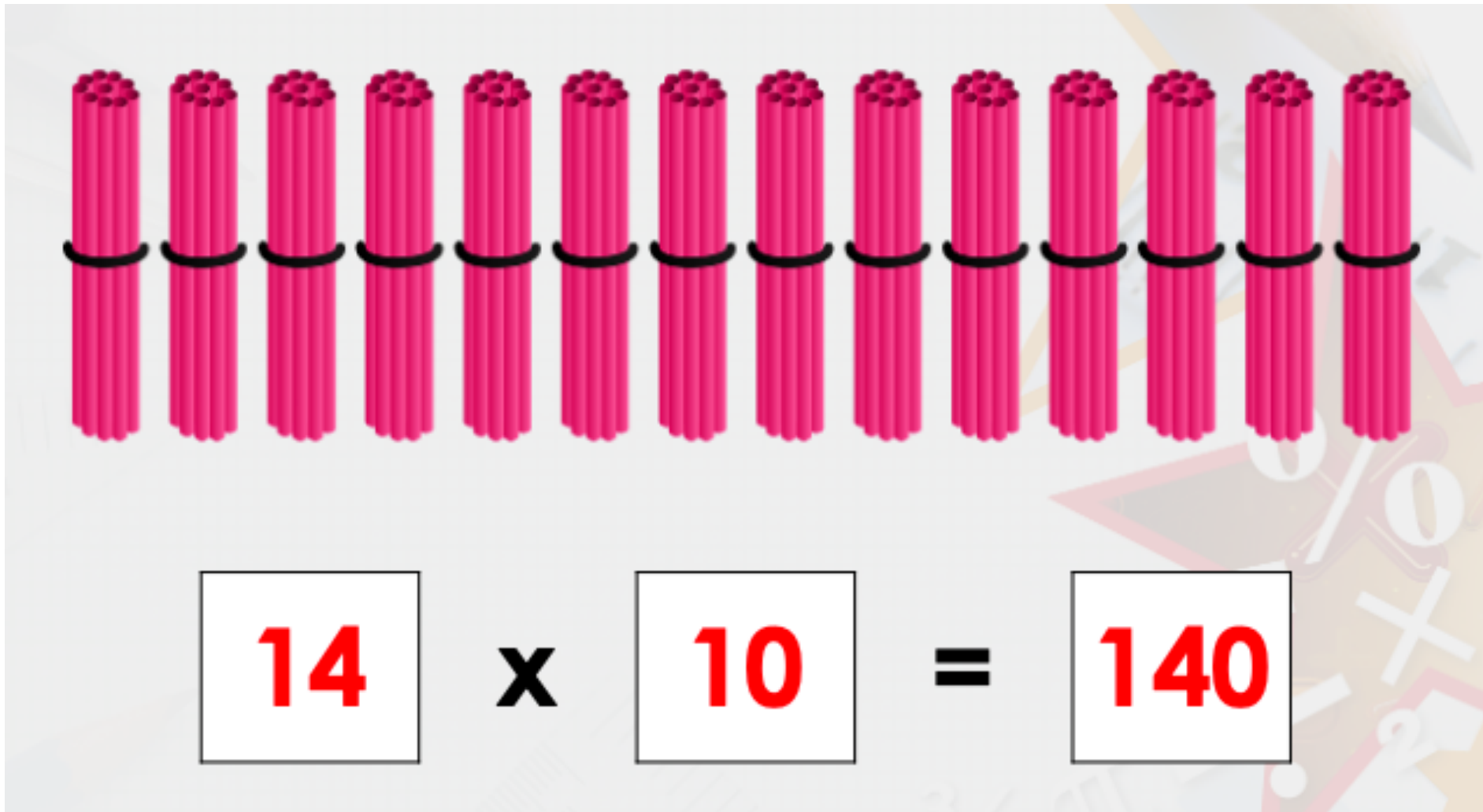
Complete the calculation represented by the image below.



**x**

**=**

*Starter: answers*

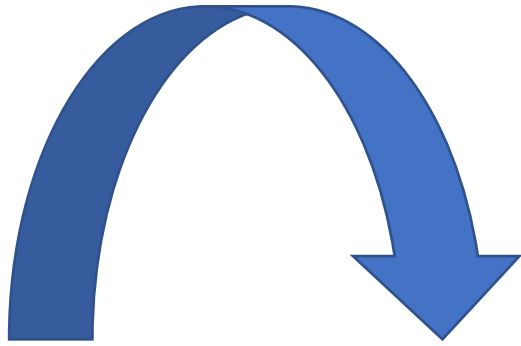


**14** **x** **10** **=** **140**

# Multiplying by 10

When we multiply by 10, the decimal place moves **one** place to the right, making the number bigger. Remember when we multiply by anything other than 1, the number gets bigger. If there isn't a decimal place, we can add one, as a place holder.

$$12 \times 10 = 120$$



12.0.

120.0

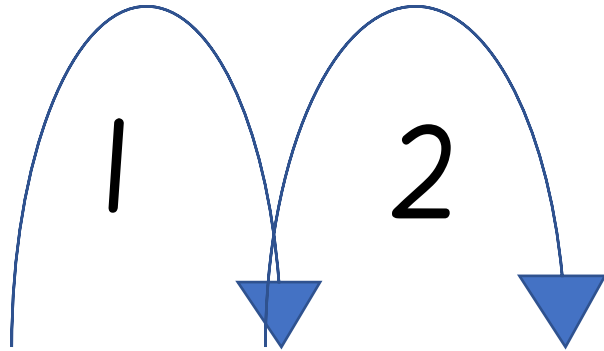
*12 is the same as 12.0  
Just as 12.00 is still 12*

*120. 0 is the same as 120*

## Multiplying by 100

When we multiply by 100, we use the same method, but we move **2** decimal places to the right instead of one.

$$12 \times 100 = 1200$$



$$12.00. = 1200.0$$

*12 is the same as 12.00  
Just as 12.00 is still 12*

*1200.0 is the same as 1200*



# Practise:

Use the activity worksheet to practise multiplying numbers by 10 and 100. Remember to look where the decimal place is positioned.