# Multiplication and division 

## Connecting multiplication and division, and the distributive law



## Recall Page

| Distributive law | The method of partitioning the <br> factors to find the answer easier. |
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| Factor | The numbers that you multiply <br> together. |
| Product | The answer when two or more <br> values are multiplied together. |
| Common factor | A whole number which is a factor <br> of two or more numbers. |
| Partition | The method of splitting up <br> numbers into different parts. |

## Sentence Stems

The product of __ and ___ is equal
to the product of ___ and ___ to the product of $\qquad$ and $\qquad$ is equal to __ plus $\qquad$ , so __
$\qquad$ times is equal to times plus $\qquad$ times $\qquad$ .
$\qquad$ is equal to $\qquad$ minus $\qquad$ so times $\qquad$ is equal to $\qquad$ times $\qquad$ minus $\qquad$ times $\qquad$ .

## Knowledge

I will need to know:

- What commutativity is.
- What the distributive law is.
- How commutativity is represented through multiplication and not division.
- How to use the distributive law effectively
- How to solve two step problems using the distributive law.
- How to use the distributive law beyond known times tables.


## Key Facts

Commutativity is used within multiplication of the factors.

Division is not commutative.

The product is the answer of two or more factors multiplied together.

The distributive law is an informal method to work out multiplication.

