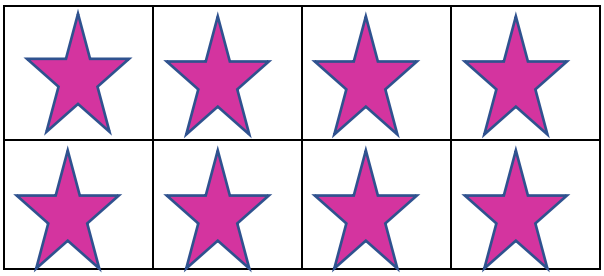
Using Arrays

Arrays are used as another way to calculate multiplication statements.

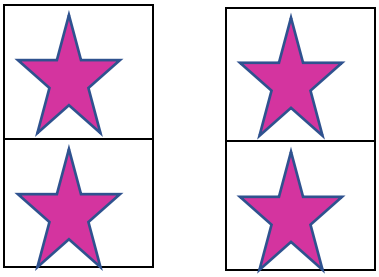
The children will count the number of rows and the number of columns to form the multiplication statement.

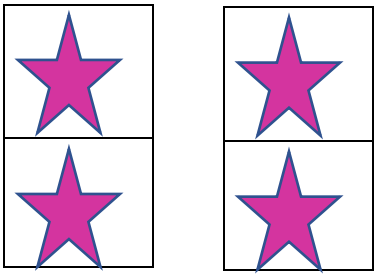
Example:



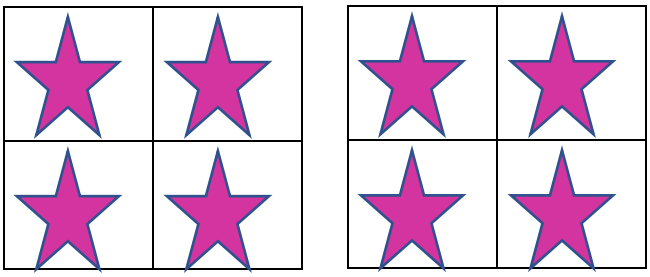
This would be written as 2 x 4 or 4 x 2.

There are 4 lots of 2.





There are 2 lots of 4.



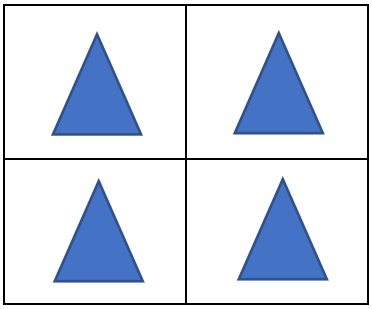
This can be used with any number and any object. For example, if you have a carton of eggs you could use them to represent an array and a multiplication statement can be written.

The work below has some more examples of arrays to work through, with a challenging extension task if you would like to complete it!

Using Arrays

Can you write the multiplication sum from the array?

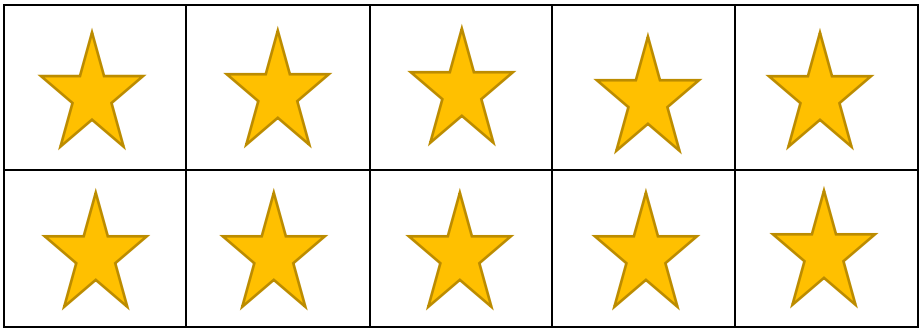
1.



2 x 2

2 x _____ = _____

2.

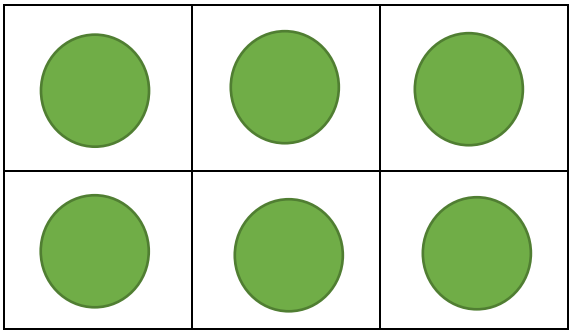


5 x 2 and _____ x _____

_____ x _____ = _____

Can you draw another array for this multiplication?

3.

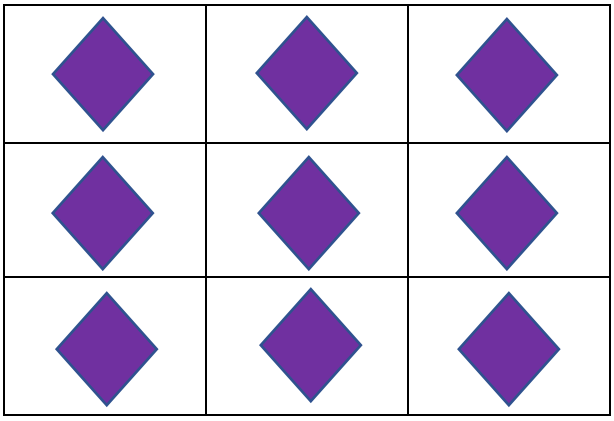


_____ x _____ and _____ x _____

_____ x _____ = _____

Can you draw another array for this multiplication?

4.

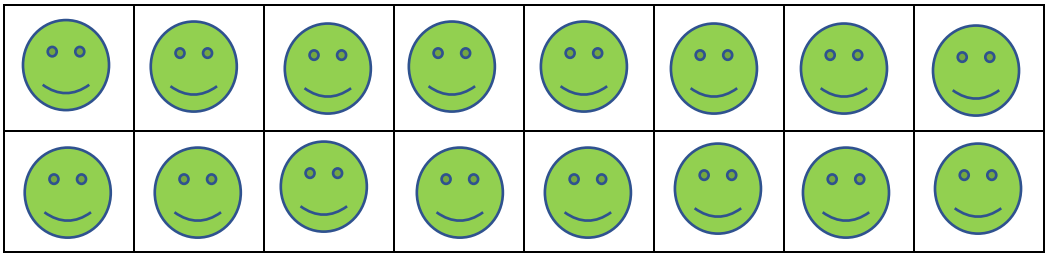


_____ x _____ and _____ x _____

_____ x _____ = _____

Can you draw another array for this multiplication?

5.

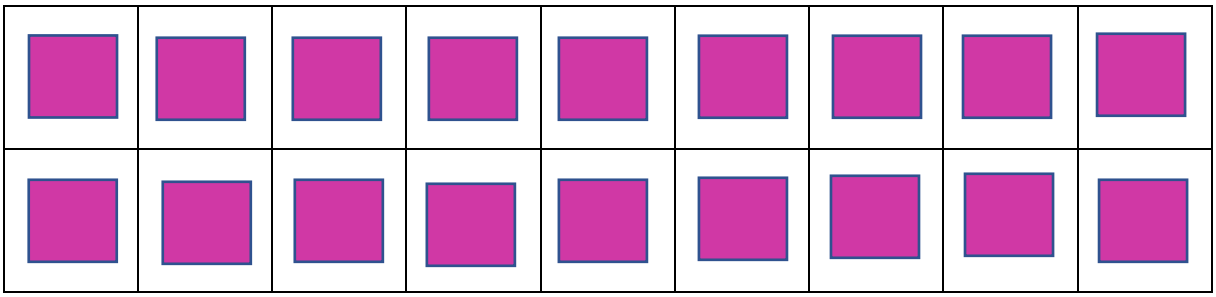


_____ x _____ and _____ x _____

_____ x _____ = _____

Can you draw another array for this multiplication?

6.

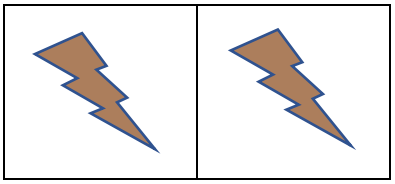


_____ x _____ and _____ x _____

_____ x _____ = _____

Can you draw another array for this multiplication?

7.

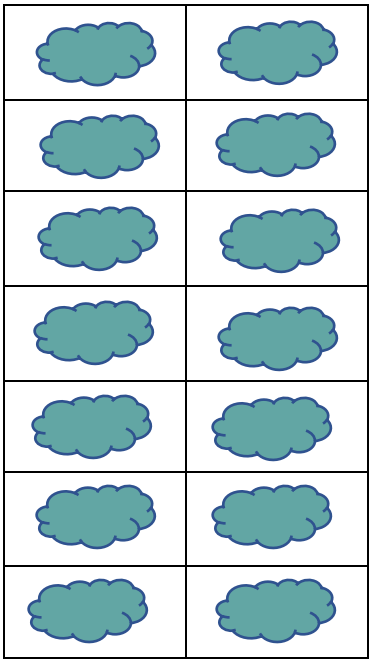


_____ x _____ and _____ x _____

_____ x _____ = _____

Can you draw another array for this multiplication?

8.

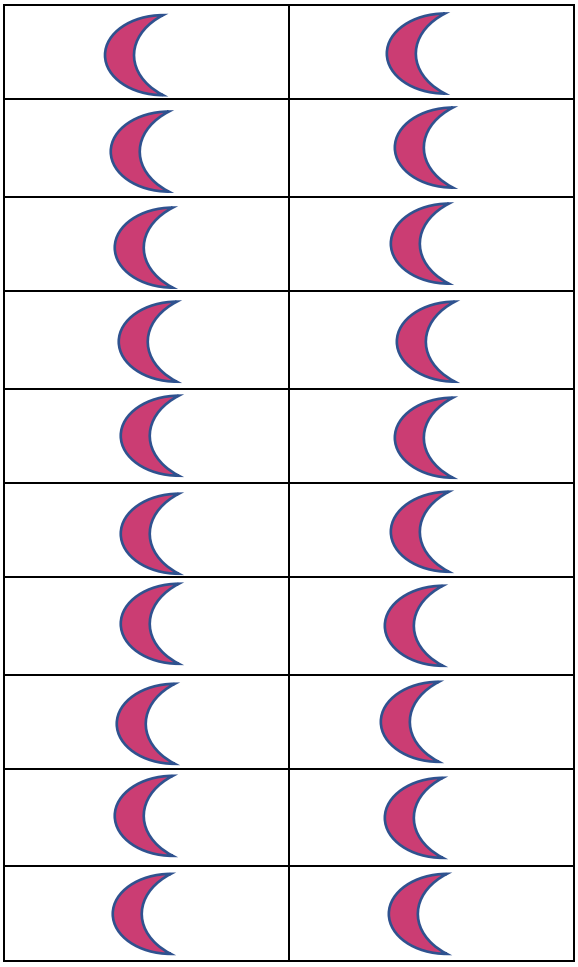


_____ x _____ and _____ x _____

_____ x _____ = _____

Can you draw another array for this multiplication?

9.

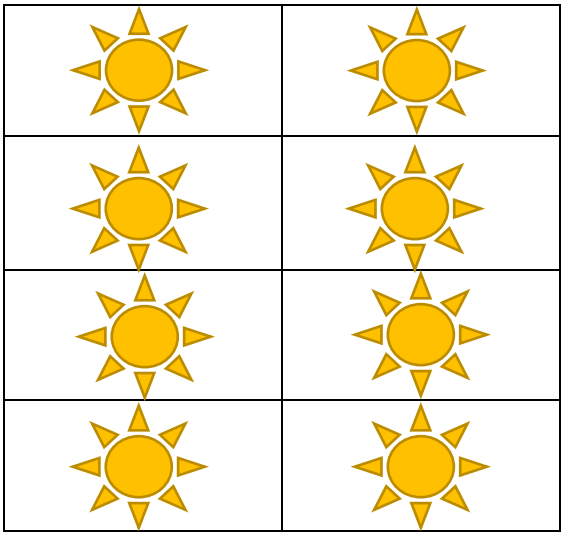


_____ x _____ and _____ x _____

_____ x _____ = _____

Can you draw another array for this multiplication?

10.



_____ x _____ and _____ x _____

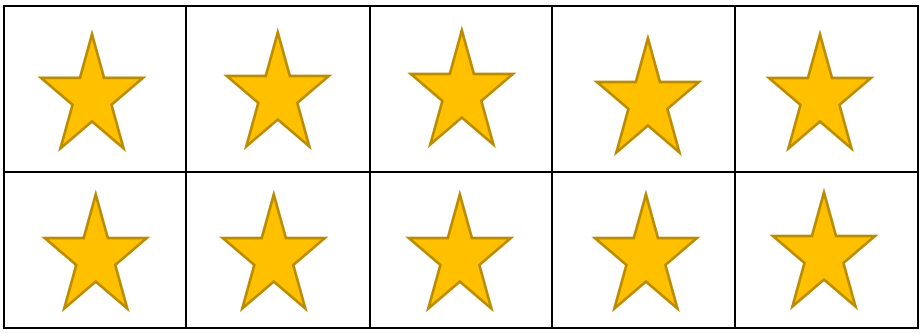
_____ x _____ = _____

Can you draw another array for this multiplication?

Extension

Can you work out the equation with part of the array missing?

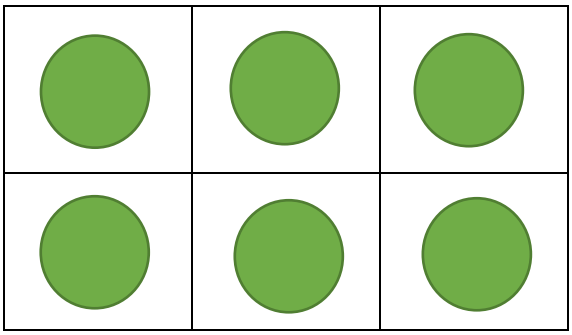
1.



The answer is 10, what is the array?

5 x 2 or 2 x ___.

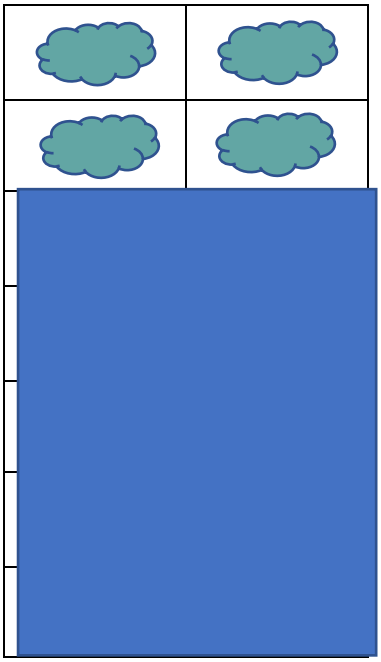
2.



The answer is 6, what is the array?

_____ x _____ and _____ x _____

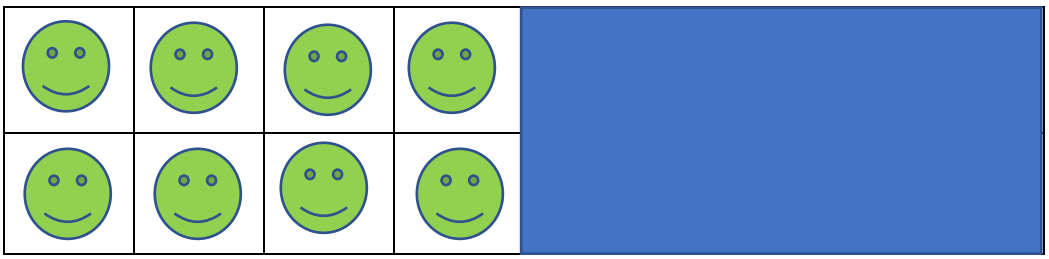
3.



The answer is 14, what is the array?

_____ x _____ and _____ x _____

4.



The answer is 16, what is the array?

_____ x _____ and _____ x _____