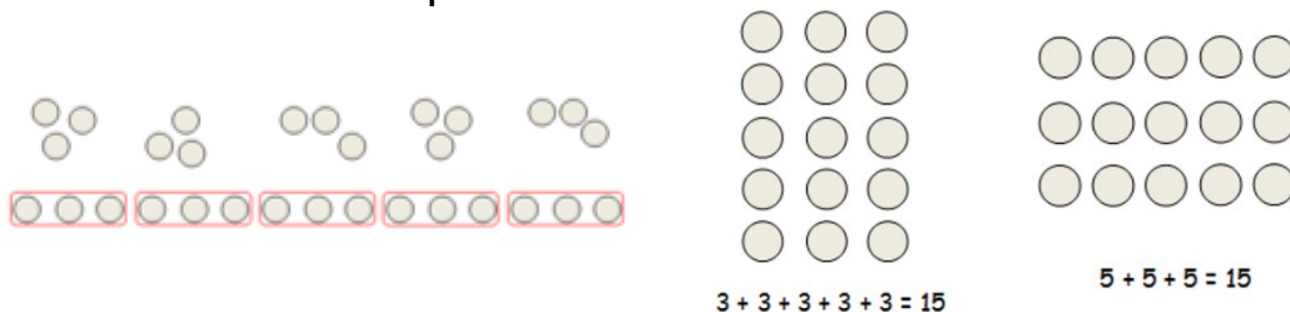




## What Should I Already Know?

Arrange items into equal groups and count to find the total.

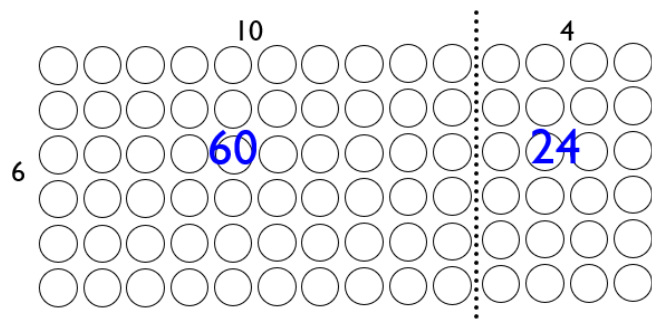
Understand how arrays can show repeated addition of rows and/or columns and that multiplication is commutative.



## What do I need to know?

Use arrays and split arrays to show repeated addition of rows and/or columns and that multiplication is commutative.

Use the grid method to calculate two-digit by one-digit multiplication calculations.



|   |    |    |
|---|----|----|
| x | 10 | 3  |
| 8 | 80 | 24 |

## Vocabulary

multiply

array

groups

times

lots of

repeated addition

commutative

row

column

grid