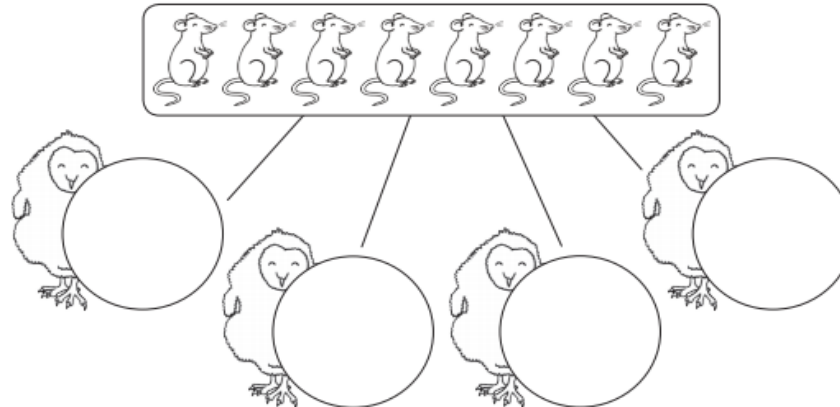
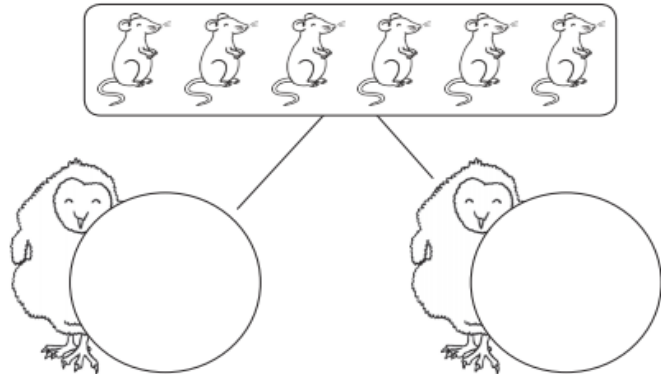
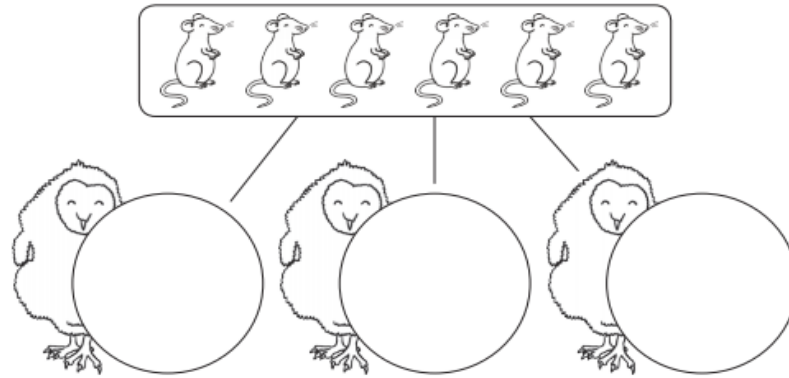
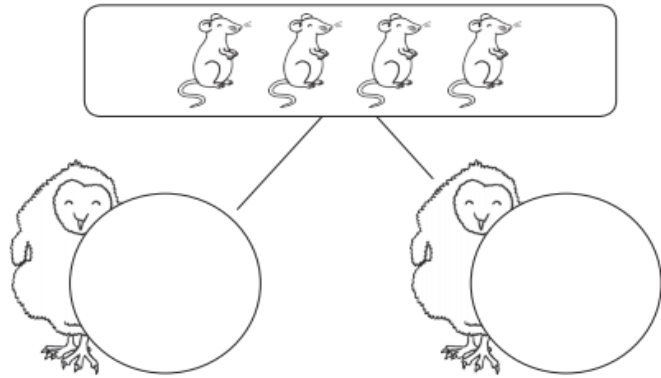


Maths with Miss Delaney

Today we are going to be learning about division!

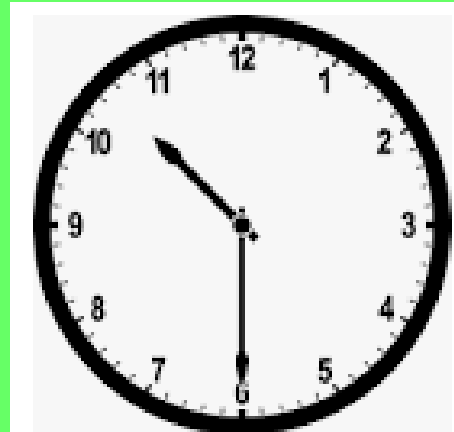
While you are waiting- can you share the mice equally amongst the owlets?



Today you will need:

- Paper/whiteboard
- Pen/pencil
- Small objects to count with Lego/pasta

Maths will start at 10.30





Use the hands up button if you'd like to talk

Make sure you've got something to write on



Press the yes or no button to answer some questions

Only use the chat function when asked



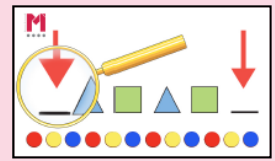
Keep your microphones muted unless you've been asked to answer a question



Be ready to learn and have a go!



Number patterns



Do Now

Represent the numbers in the sequence, then fill in the missing numbers.

30, 28, 26, 24,

11, 21, 31, 41,



Key learning: To explore arrays



equal groups



row



array



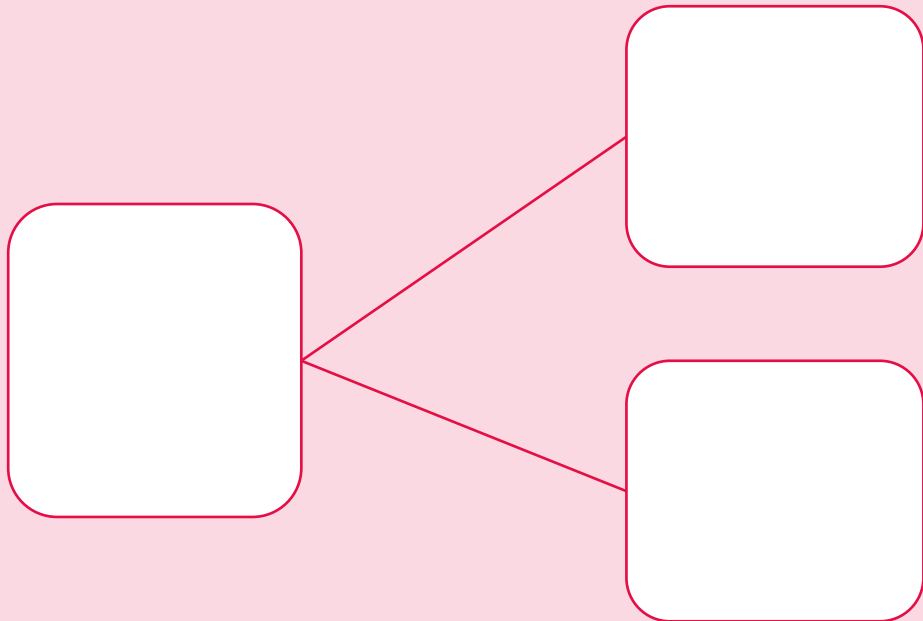
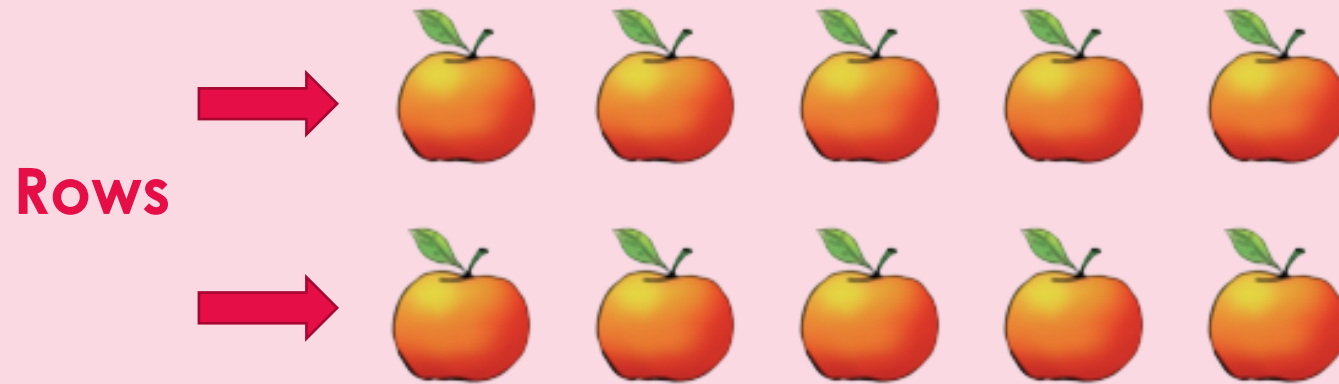
column



Star Words



Introducing arrays



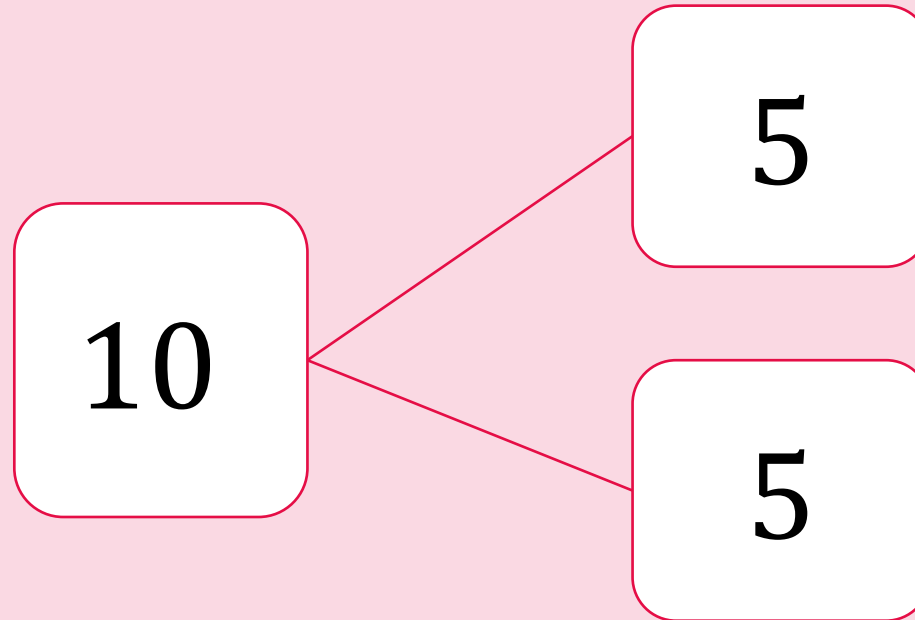
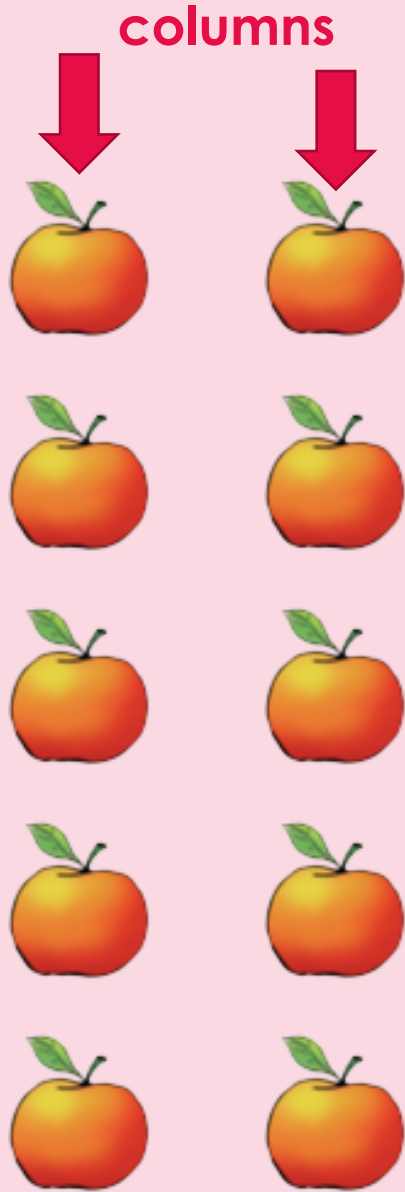
What is the whole number

There are ____ equal rows of five apples.

Two groups of five are equal to ten.



Introducing arrays

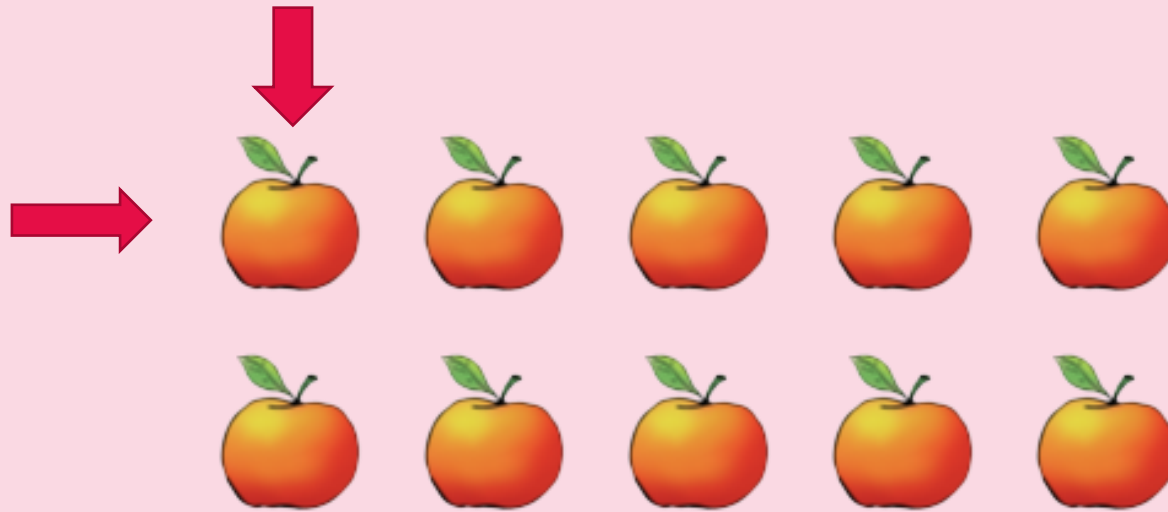


There are ___ equal columns of five apples.

Two groups of five are equal to ten.



Identifying the groups in an array



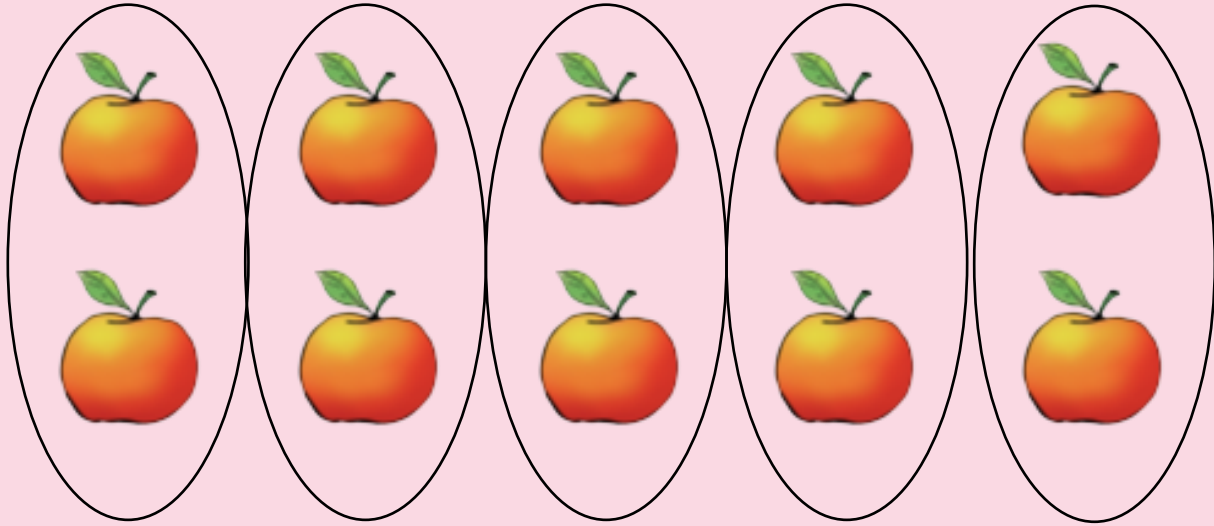
What can we say about the apples?

How many groups are there?

How many apples are there in each group?

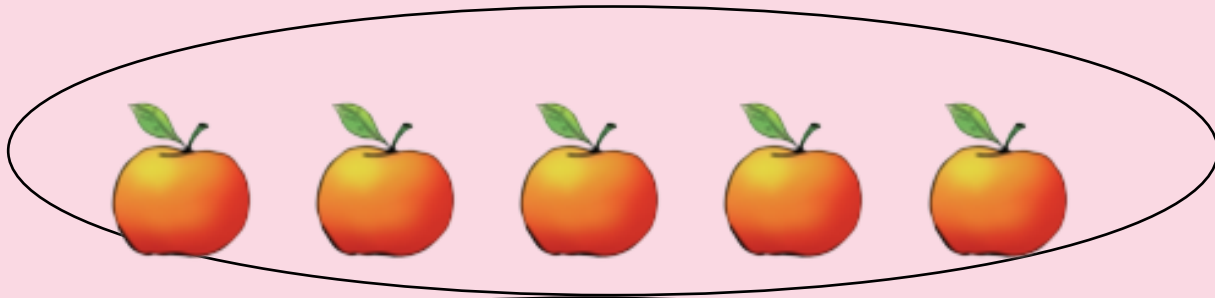


Identifying the groups in an array



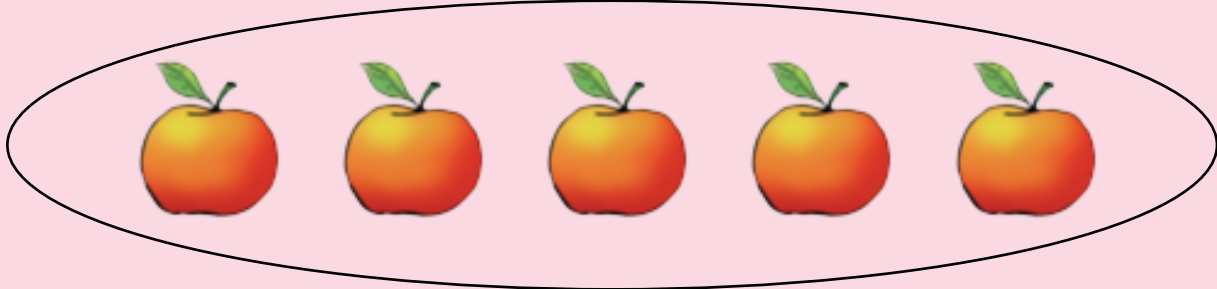
There are 5 columns. Each column has 2 apples.

$$2 + 2 + 2 + 2 + 2 = 10$$



There are 2 rows. Each row has 5 apples.

$$5 + 5 = 10$$



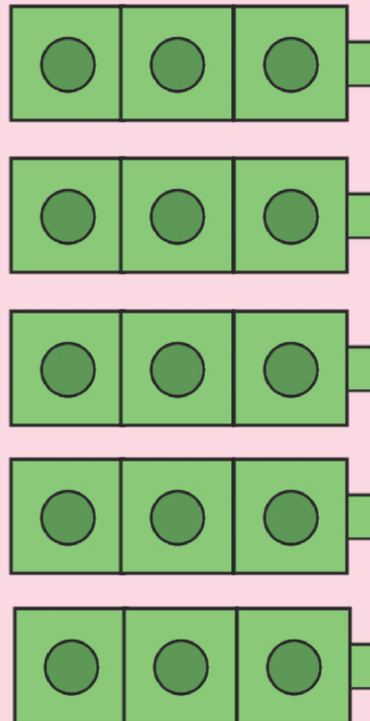
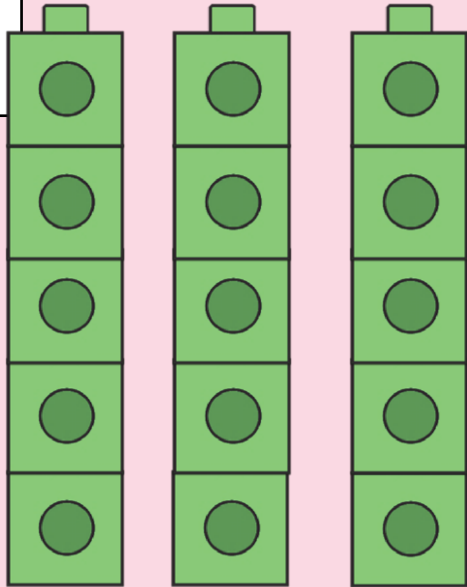
Key learning: To explore arrays

Exploring arrays

What's the same? What's different?

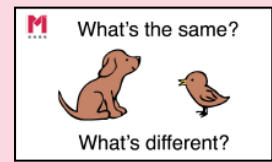
+ + =

x 5 =



+ + + + =

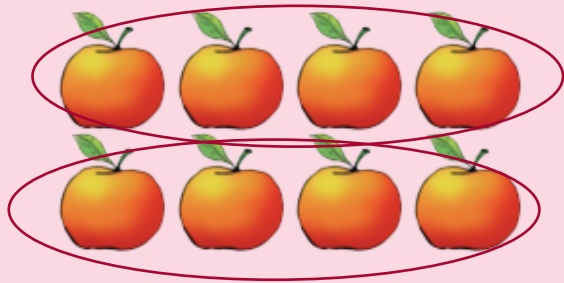
x 3 =



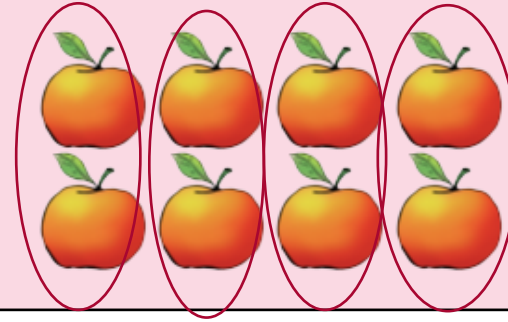
Independent Task



Representing equal groups in an array



$$\begin{array}{rcl} & + & = \\ \times 4 & & = \end{array}$$

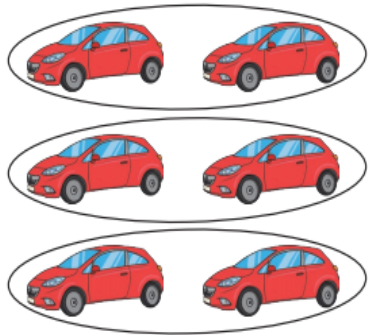


$$\begin{array}{rcl} + & + & + & + & = \\ \times 2 & & & & = \end{array}$$

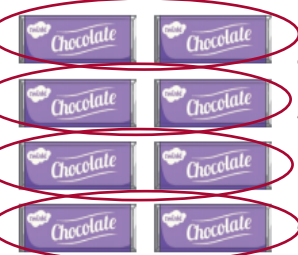


Key learning: To explore arrays

Write the multiplication equation and repeated addition equation for each array.



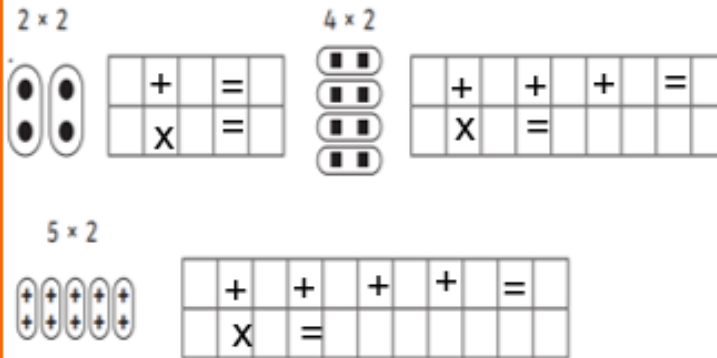
3 rows of 2 cars.
 $2 + 2 + 2 =$ _____ cars.
 $3 \times 2 =$ _____ cars.



4 rows of 2 chocolates.
 $2 +$ _____ $+$ _____ $+$ _____ $=$ _____ chocolates.
 _____ $\times$ _____ $=$ _____ chocolates.

3 rows of _____ bananas.
 $5 +$ _____ $+$ _____ $=$ _____ bananas.
 _____ $\times$ _____ $=$ _____ bananas.

Write the multiplication equation and repeated addition equation for each array.



Can you draw two different arrays to represent 12?

Use the repeated addition equation to help you:

$$2+2+2+2+2+2=12$$

Write two multiplication sentences for each array.



$$3 \times 4 = 12$$

$$4 \times 3 = 12$$

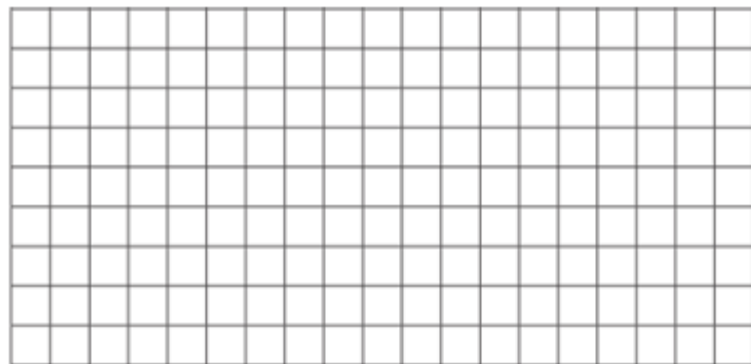




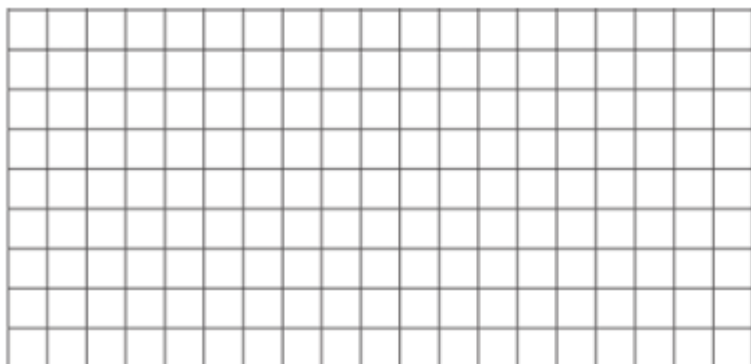
Task: To be able to explore arrays.

Can you draw at least 2 different arrays that include the following?

2 groups of 5



2 groups of 4



3 groups of 5



___ groups of ___

