

Monday: At-Home Investigation

**Squares to cut out**


### At-Home Investigation

*Here is an array of muffins. They are lined up in rows. Use the squares to make some arrays and draw them.*



**Make 3 arrays from your 12 squares. Cover your arrays with a tea towel or piece of paper and draw what you can remember:**  
How are your arrays similar? How are they different?

**Find 2 arrays in your house and draw them.**

How many objects are in your arrays? How could you count them?

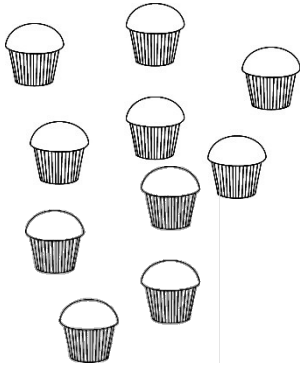
**Lego arrays:**

If you have Lego, find 2 different **shaped** blocks with the same number of dots. Draw them here.

## Connecting Arrays

### Muffins

Here are some muffins. Draw them lined up to make an array.  
How could you count the muffins? How many are there?



How would your answer change if there was one less muffin? Draw it:

### Egg carton

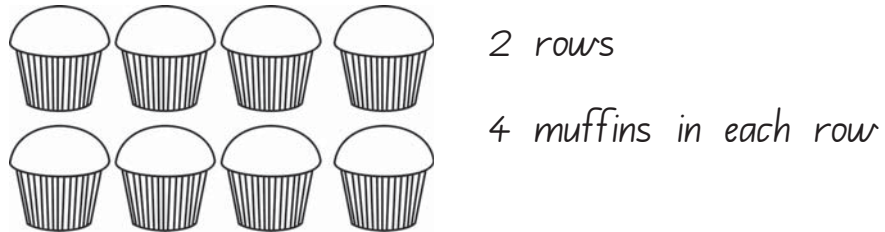
Draw the inside of an egg carton. How many holes are there? How could you count them?  
How are the eggs arranged differently to the muffin tray we looked at yesterday?


### Missing Lego dots

A Lego block has some dots missing. Draw in the missing dots and count them.



Mitchell baked 8 muffins. He put the muffins out onto a rack to cool. He made rows of muffins like this:





 Draw the rows he could have made if he had baked 10 muffins.


How many rows did you make?



How many muffins are in each row?



 Could you have made a different number of rows?

 How many muffins would have been in these rows?

**Problem solving:**

Teacher initials:  
Date:

Student solved the problem with:

- Minimal help
- Some prompting
- Solved after explanation
- Did not work out a solution by themselves
- N/A – not a novel problem

Peer Assessment

Name:



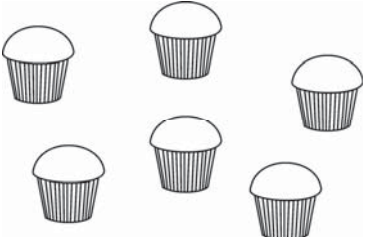
 Tell a friend about the rows you made.


## Application problems

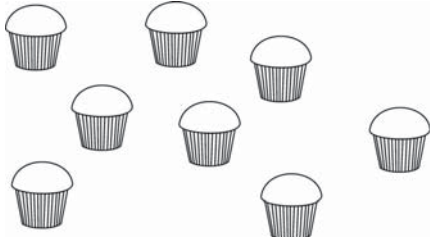
1. Mitchell made more muffins.




Draw the rows he could make with these muffins.



 Draw the rows



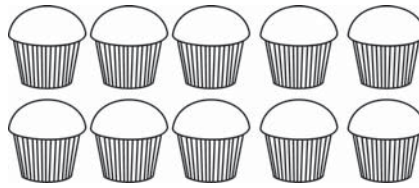
 Draw the rows

2.  Fill in the labels to describe these groups of muffins.

rows with   
muffins in each row.



rows with   
muffins in each row.



rows with   
muffins in each row.



rows with   
muffins in each row.



## Interleaved practice

Number:

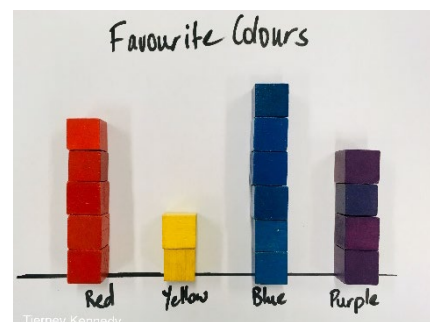
1. Starting at 11, count in 2s until you get to 25.
2.  $12 - \underline{\quad} = 7$
3. What number is 10 more than 19?
4. Write the number 18 in words.
5. Share 15 counters equally between 3 people. How many does each person get?

Measurement/Geometry:

6. Find a cup or jug with a small capacity or volume (it doesn't hold much). Find one with a bigger capacity or volume.
7. What time will it be at lunch time?
8. Describe how to get from your bedroom to the kitchen. How many steps are needed?  
How do you have to turn?

Chance/Data:

9. What can you tell from the information in the graph?



## Friday: Connecting Lesson

### **Array Hunt**

Go on an array hunt! Take photos or draw 3 or 4 arrays that you can find in your house that have at least 20 objects in them. Count the number of items in your arrays and write down the numbers. Explain how you counted them.

What shoes do you own? Try to find at least 8 pairs of shoes in your house. Draw them here in an array and count them.