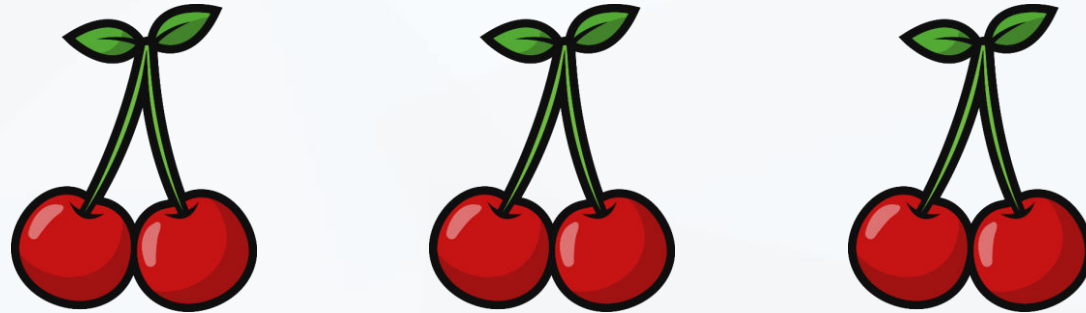


# Monday Short Lesson 1

Step: Adding equal groups

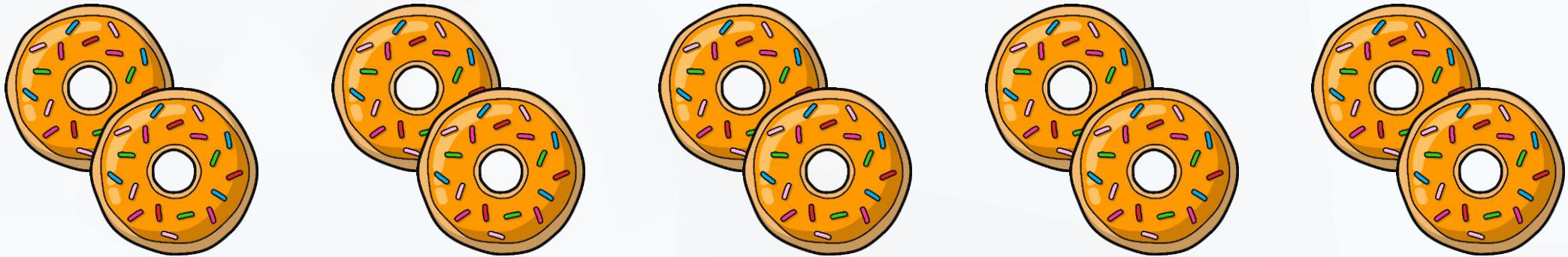
How many cherries altogether?



$$2 + 2 + 2 = \underline{6}$$

There are 3 groups of 2 cherries  
which is equivalent to 6.

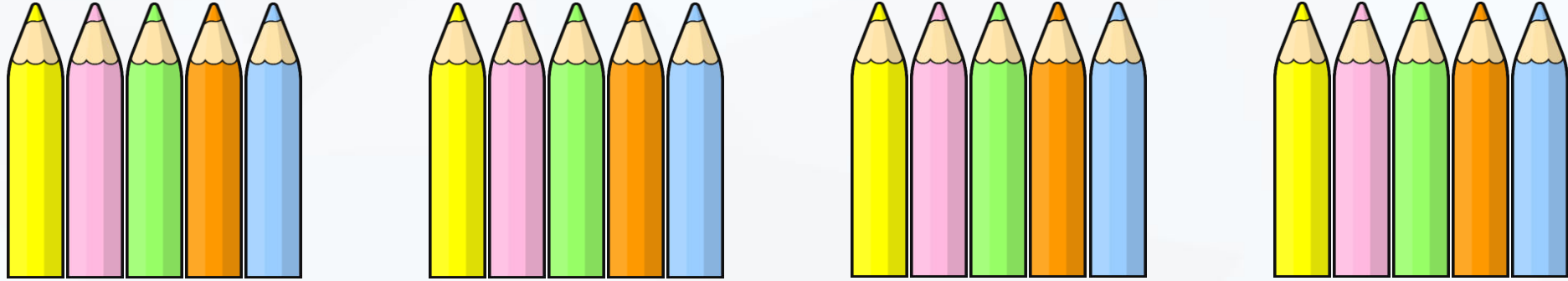
# How many doughnuts altogether?



$$2 + 2 + 2 + 2 + 2 = \underline{10}$$

There are 5 groups of 2 doughnuts  
which is equivalent to 10.

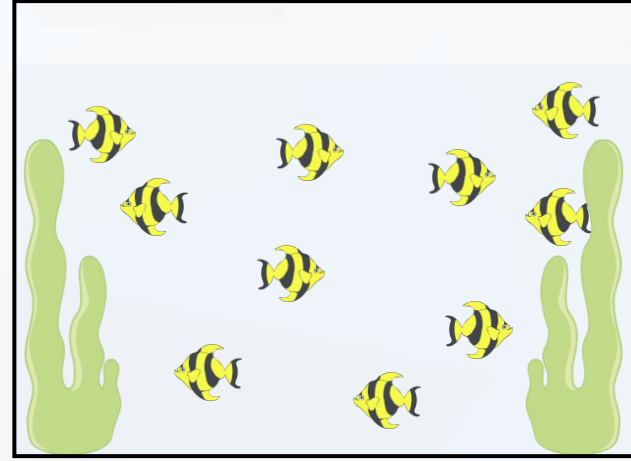
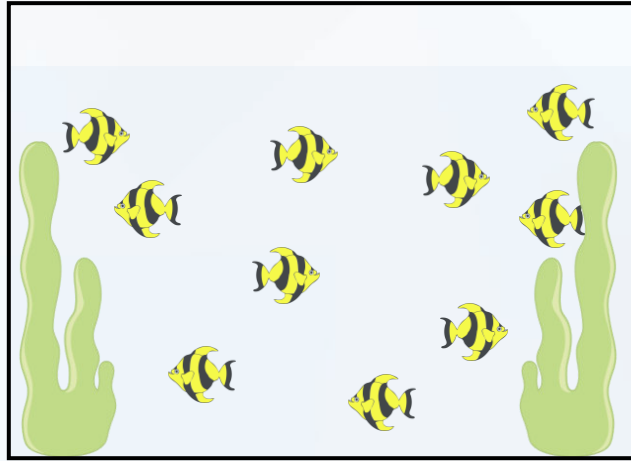
How many pencils altogether?



$$5 + 5 + 5 + 5 = \underline{20}$$

There are 4 groups of 5 pencils  
which is equivalent to 20.

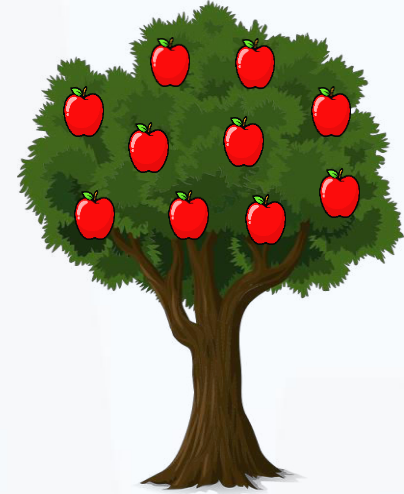
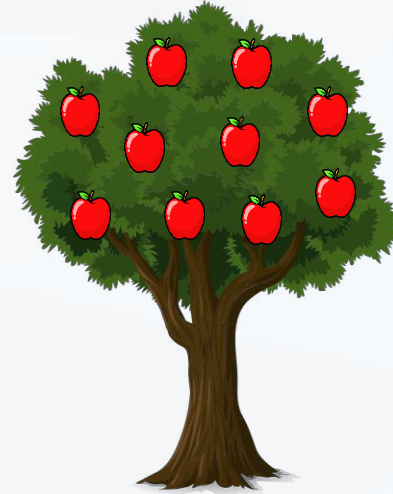
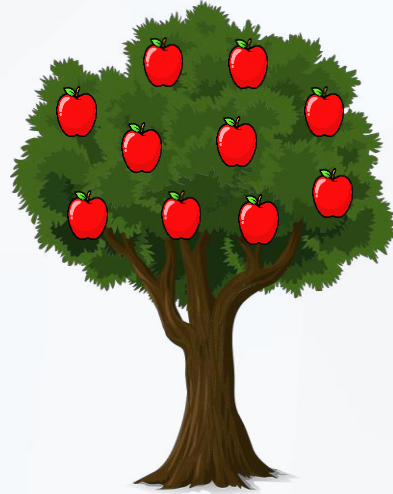
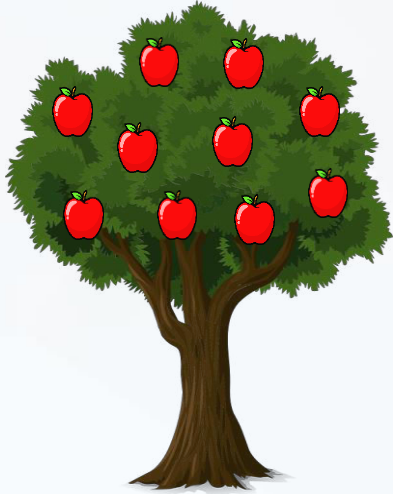
How many fish altogether?



$$10 + 10 = \underline{20}$$

There are 2 groups of 10 fish  
which is equivalent to 20.

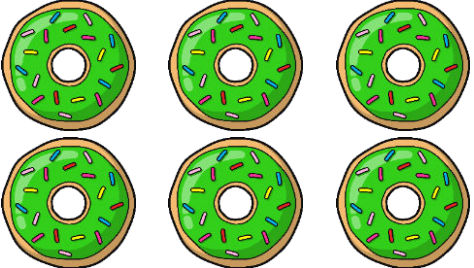
How many apples altogether?



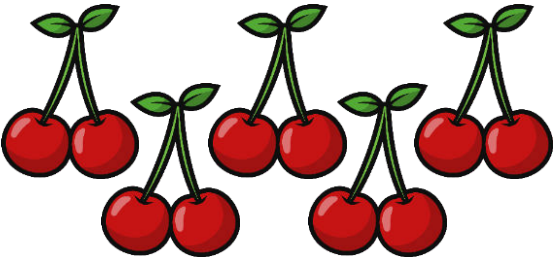
$$10 + 10 + 10 + 10 = \underline{40}$$

There are 4 groups of 10 apples  
which is equivalent to 40.

# Complete the table.

Picture	Repeated addition	Bar model	Stem sentence						
	$2 + 2 + 2$	<table border="1"><tr><td colspan="3" data-bbox="1294 439 1847 564">6</td></tr><tr><td data-bbox="1294 564 1477 688">2</td><td data-bbox="1477 564 1661 688">2</td><td data-bbox="1661 564 1847 688">2</td></tr></table>	6			2	2	2	There are <u>3</u> groups of <u>2</u> which is equivalent to <u>6</u> .
6									
2	2	2							

Complete the table.

Picture	Repeated addition	Bar model	Stem sentence										
	$2 + 2 + 2 + 2 + 2$	<table border="1" style="width: 100%; text-align: center;"> <tr> <td colspan="5" style="padding: 5px;">10</td> </tr> <tr> <td style="padding: 5px;">2</td> <td style="padding: 5px;">2</td> <td style="padding: 5px;">2</td> <td style="padding: 5px;">2</td> <td style="padding: 5px;">2</td> </tr> </table>	10					2	2	2	2	2	<p>There are <u>5</u> groups of <u>2</u> which is equivalent to <u>10</u>.</p>
10													
2	2	2	2	2									



Kat and Asha are making equal groups of doughnuts.



Kat

We need one more group to make 40.

We need 10 more doughnuts to make 40.



Asha

Who do you agree with? Explain why.

**Both are correct.**

**One more group of ten is the same as adding 10 more doughnuts.**



Jack

I have nine groups of 2.

I have 2 groups of 10.



Matt

Who has the most? Explain how you know.

**Matt has the most. 2 groups of 10 = 20.**

**Jack has 9 groups of 2 = 18.**

# Wednesday

# Short

## Lesson 4

Step: Make arrays

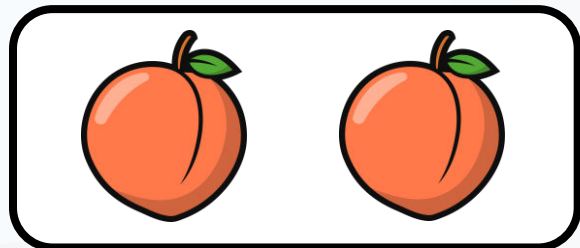
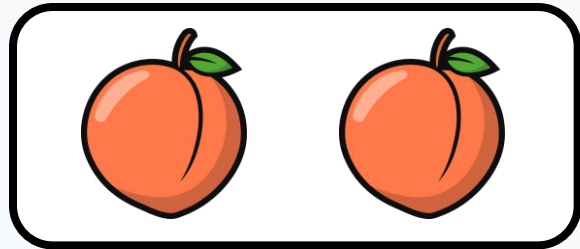
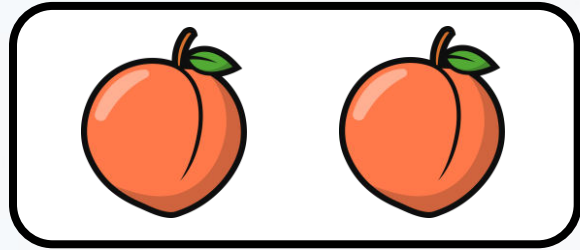
What is a row?



How many in each row? 5

How many rows are there? 2

Complete the sentences.



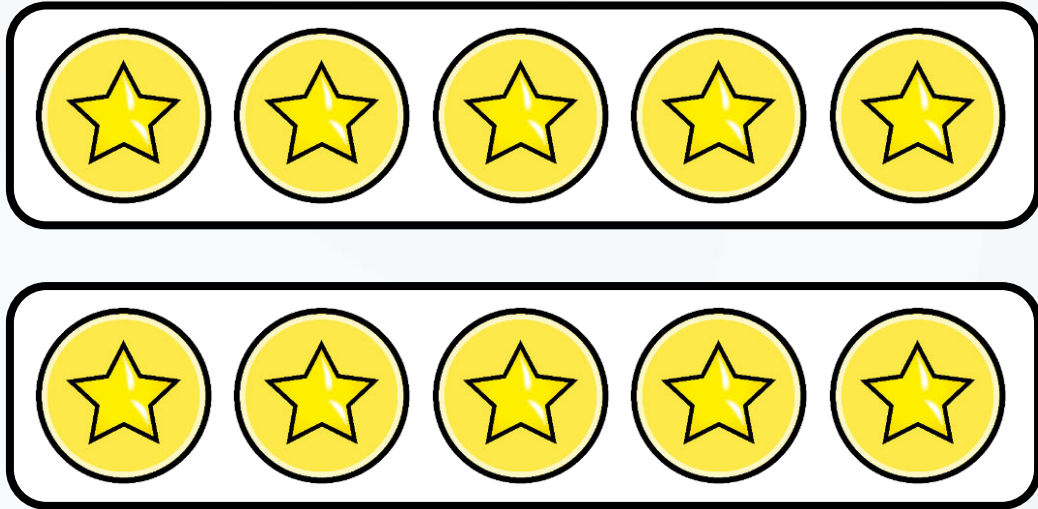
There are 2 in each row.

There are 3 rows.

$$\underline{2} + \underline{2} + \underline{2} = \underline{6}$$

There are 6 altogether.

Complete the sentences.



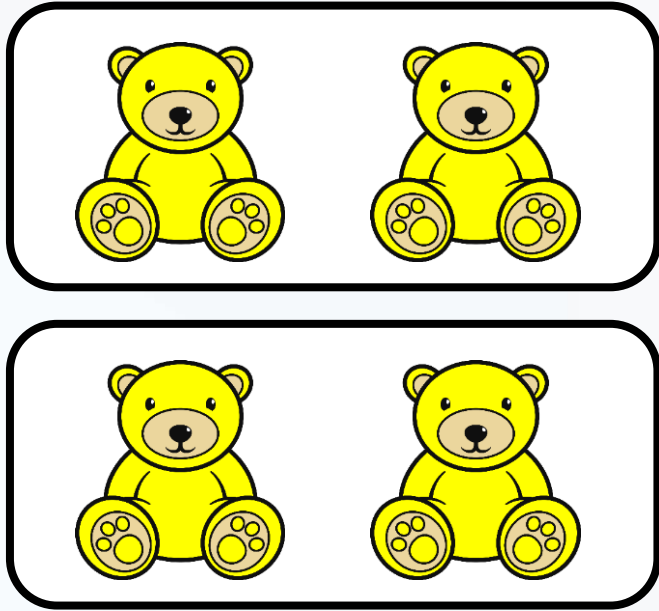
There are 5 in each row.

There are 2 rows.

$$\underline{5} + \underline{5} = \underline{10}$$

There are 10 altogether.

Complete the sentences.



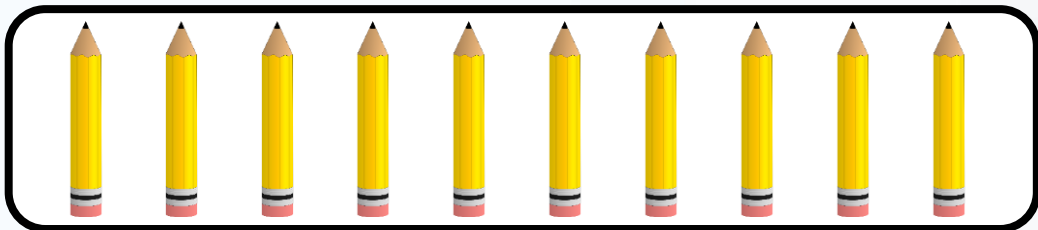
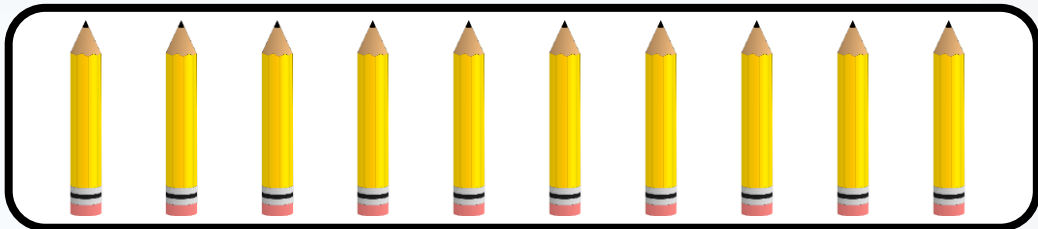
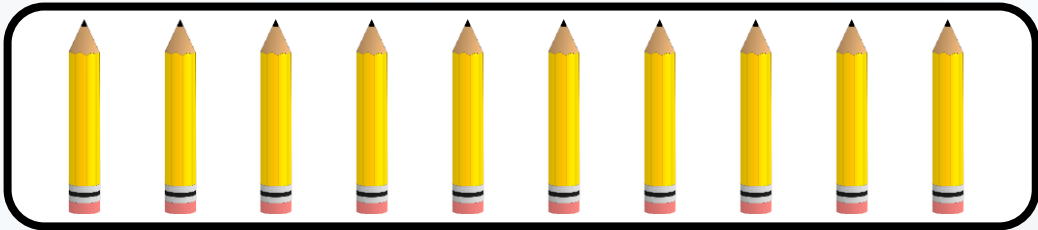
There are 2 in each row.

There are 2 rows.

$$\underline{2} + \underline{2} = \underline{4}$$

There are 4 altogether.

Complete the sentences.



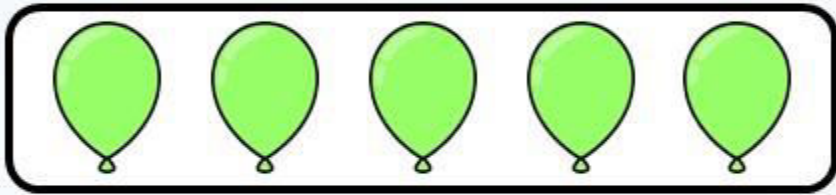
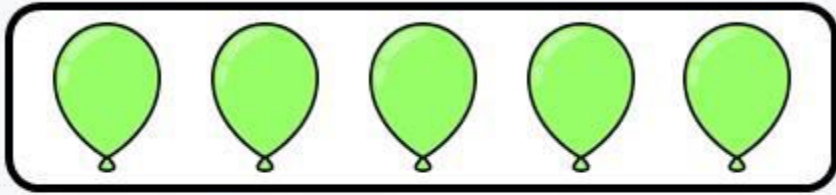
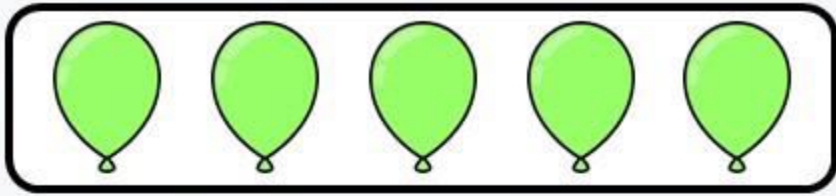
There are 10 in each row.

There are 3 rows.

$$\underline{10} + \underline{10} + \underline{10} = \underline{30}$$

There are 30 altogether.





Dom

The matching number sentence is  $5 + 5 + 5$ .



Kat

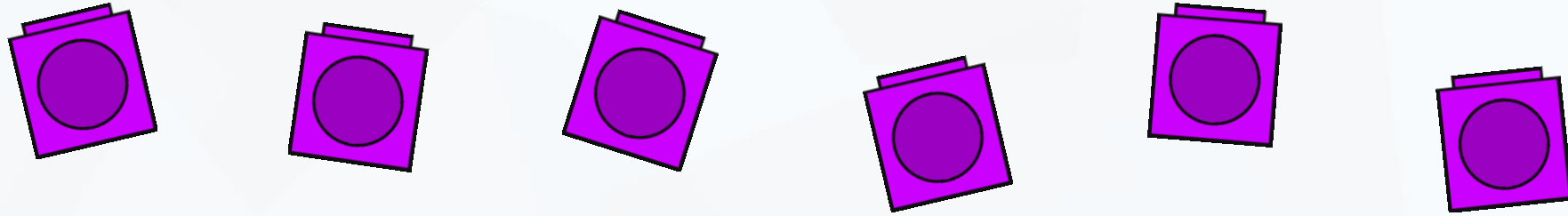
The matching number sentence is  $3 + 3 + 3$ .

Who do you agree with?  
Explain your answer.

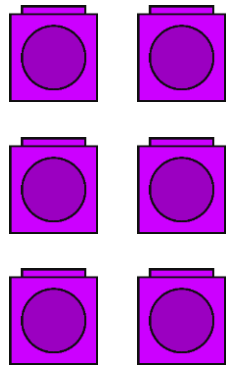
**Dom is correct.**

**There are 5 in each row and there are 3 rows.**

# What array could be built with 6 cubes?

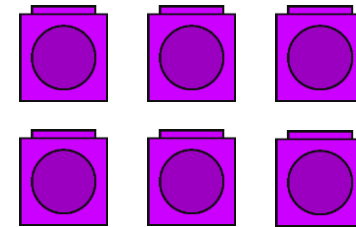


Build, draw and describe the array.



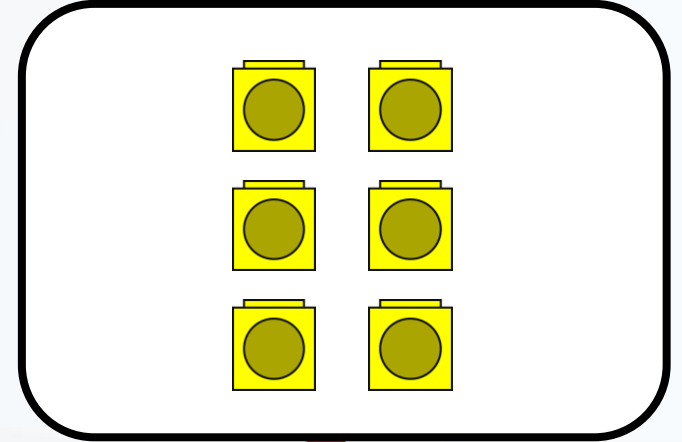
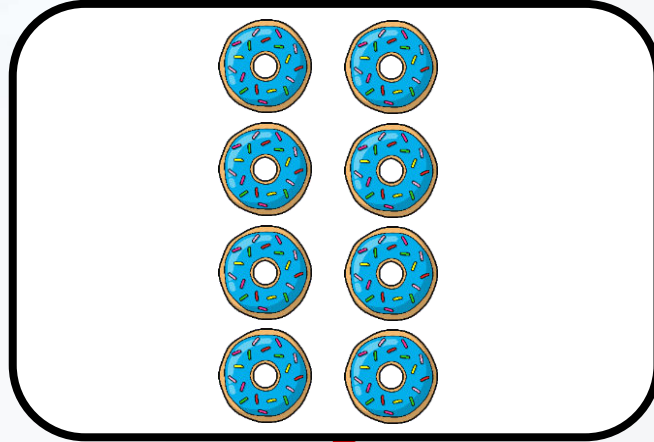
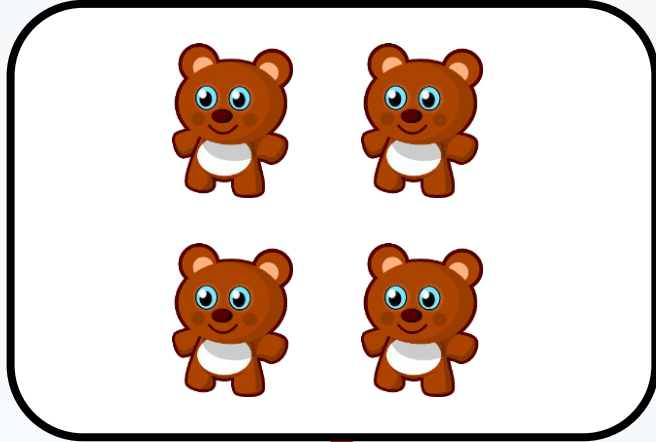
2 in each row. 3 rows.

or



3 in each row. 2 rows.

Match the array to its number sentence.



$$2 + 2 + 2$$

$$2 + 2$$

$$2 + 2 + 2 + 2$$

Complete the sentences.



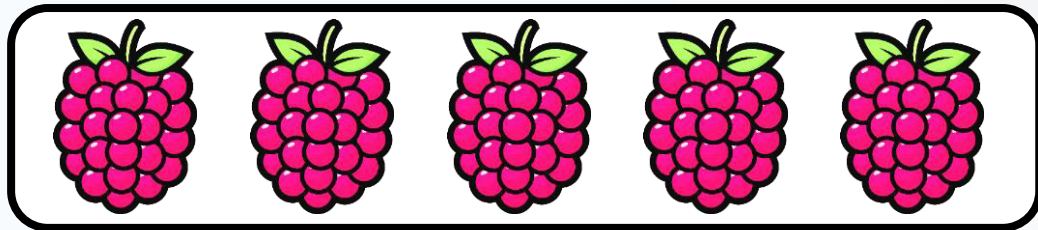
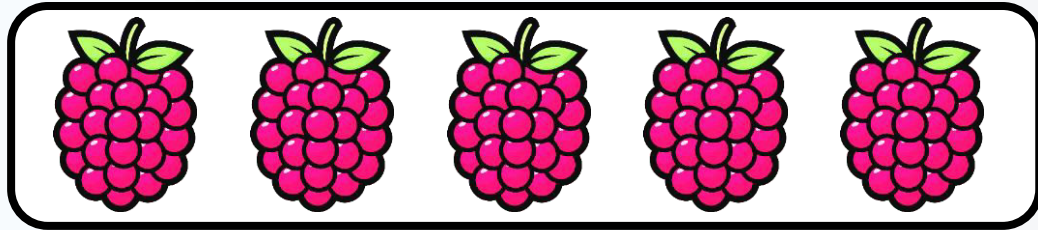
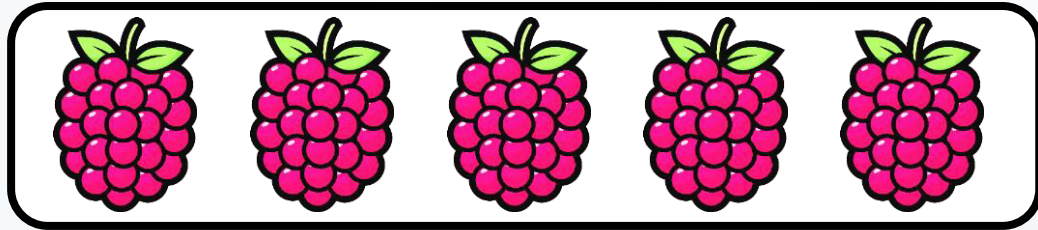
There are 2 in each row.

There are 4 rows.

$$\underline{2} + \underline{2} + \underline{2} + \underline{2} = \underline{8}$$

There are 8 altogether.

Complete the sentences.



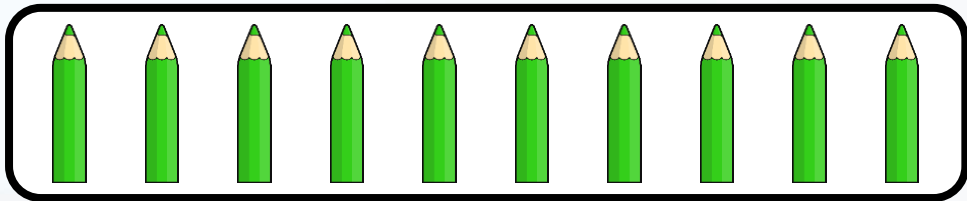
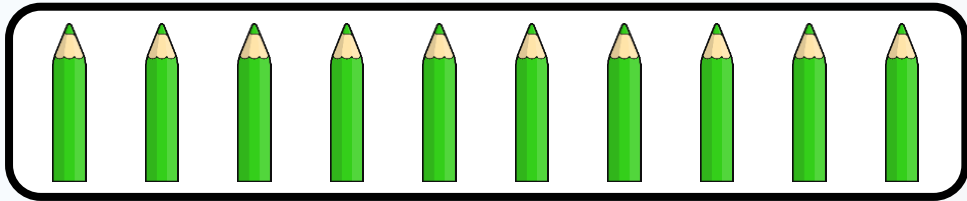
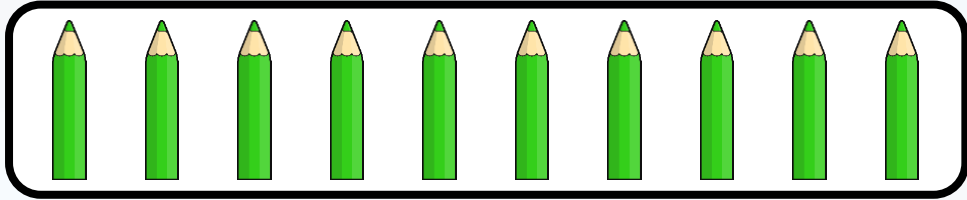
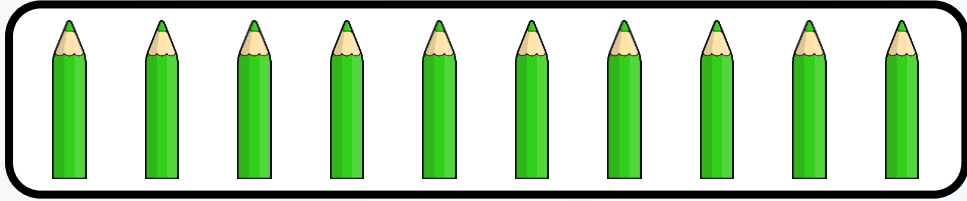
There are 5 in each row.

There are 3 rows.

$$\underline{5} + \underline{5} + \underline{5} = \underline{15}$$

There are 15 altogether.

Complete the sentences.

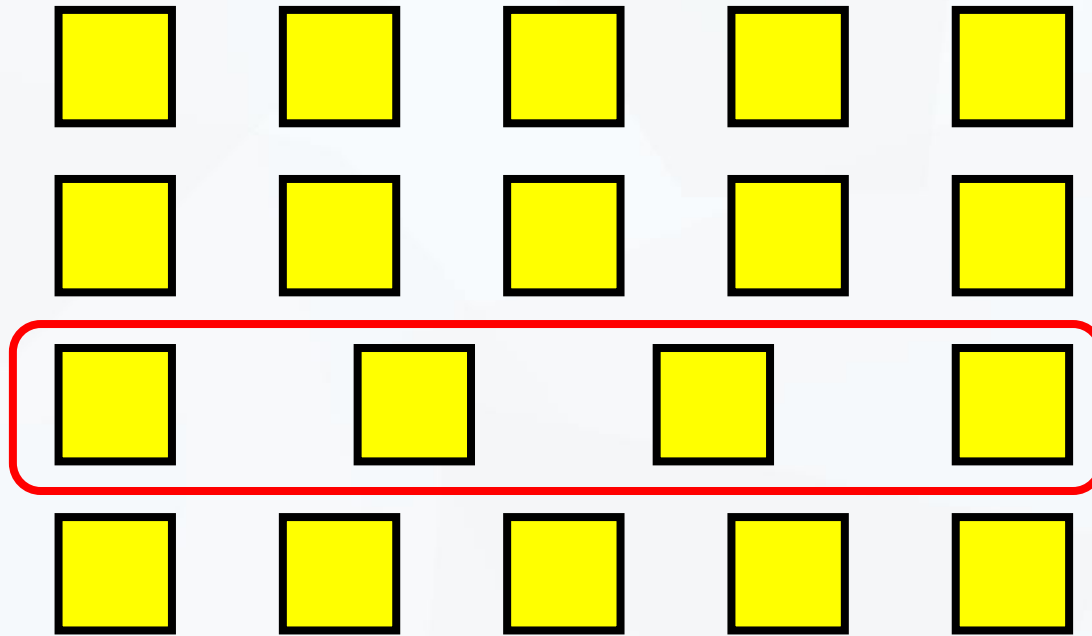


There are 10 in each row.

There are 4 rows.

$$\underline{10} + \underline{10} + \underline{10} + \underline{10} = \underline{40}$$

There are 40 altogether.



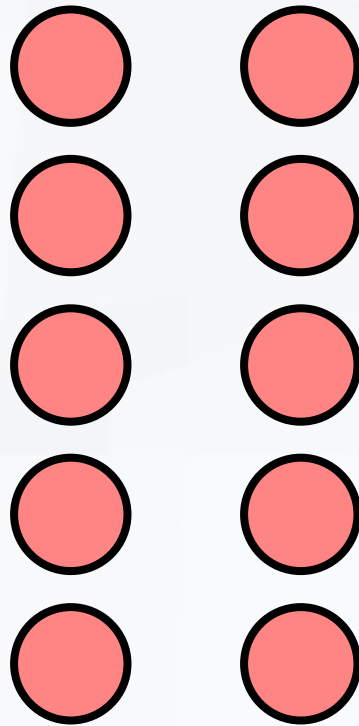
What mistake has been made in the array above?

There are an unequal amount of squares in the array.

One of the row contains 4 instead of 5.

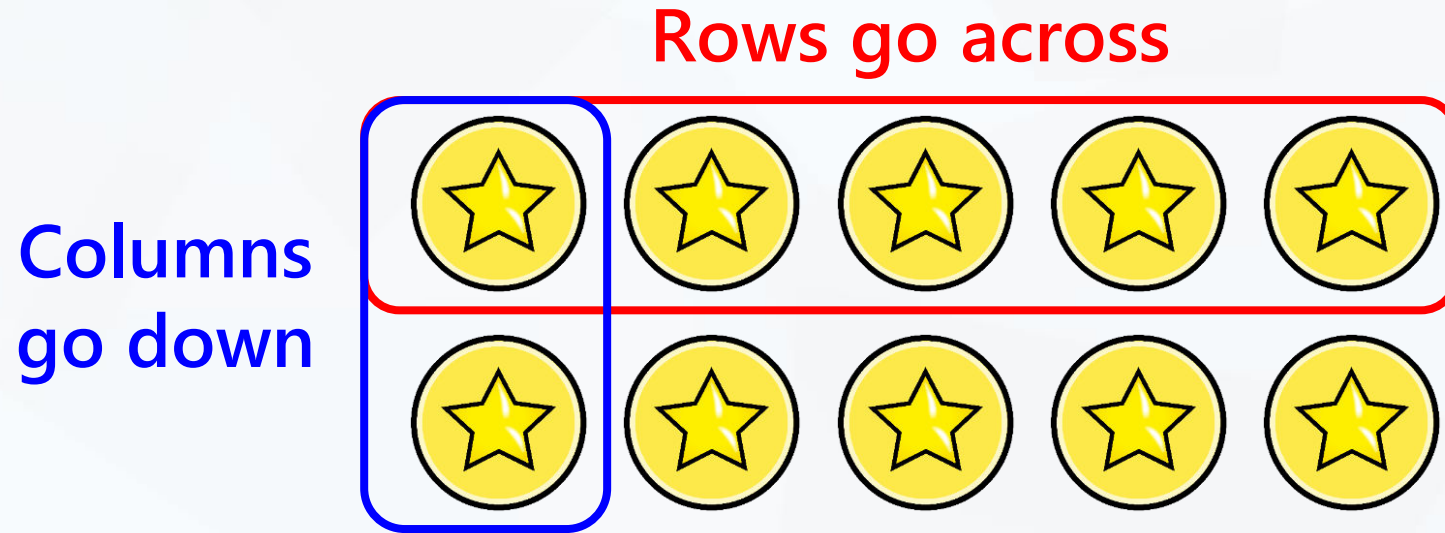
Build and draw an array to match the description.

There are 5 rows.  
There are 2 on each row.





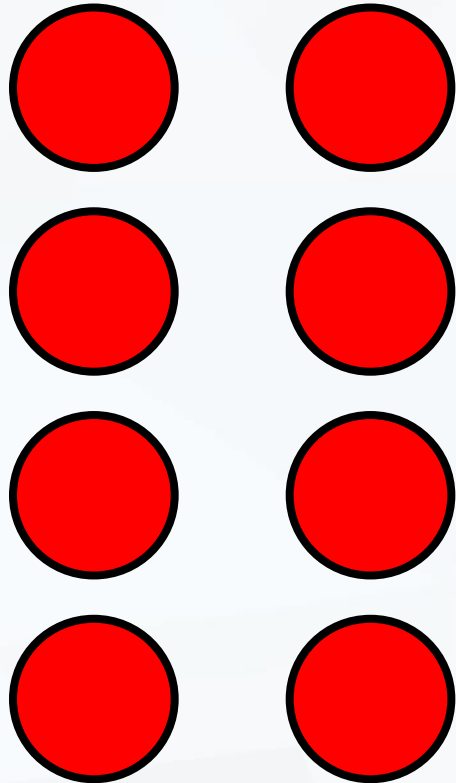
What is the difference between a row and column?



There are 2 rows. 5 in each row.

There are 5 columns. 2 in each column.

Complete the sentences.



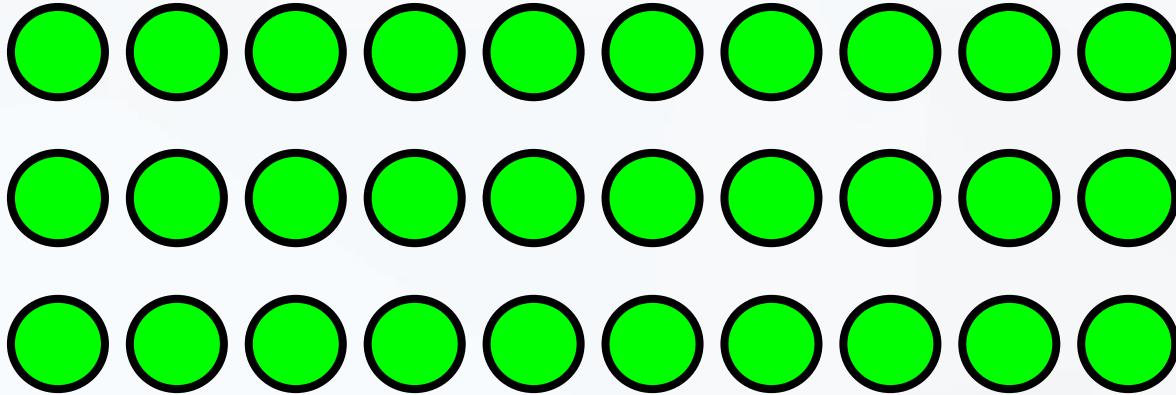
4 rows.

2 in each row.

2 columns.

4 in each column.

Complete the sentences.



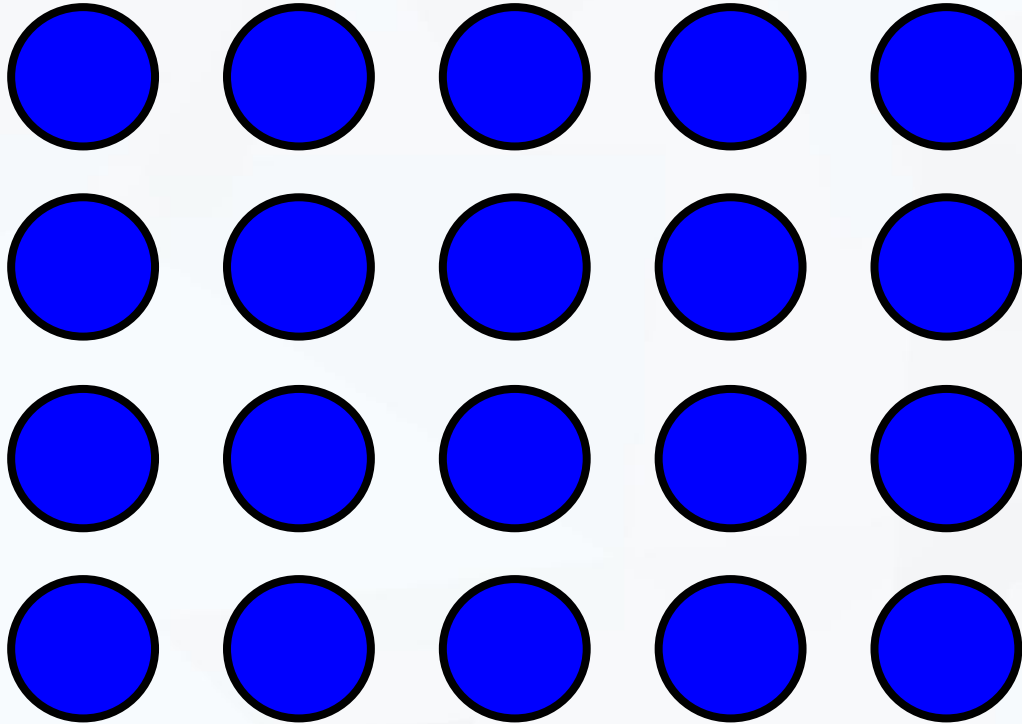
3 rows.

10 in each row.

10 columns.

3 in each column.

Complete the sentences.



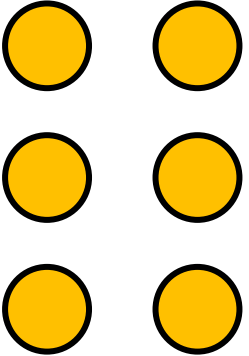
4 rows.

5 in each row.

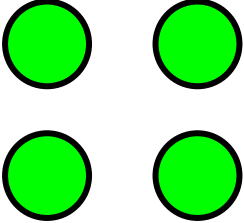
5 columns.

4 in each column.

# Complete the table.

Array	Describe: Rows	Describe: Columns	Number sentence
	<p><u>  3  </u> rows.</p> <p><u>  2  </u> in each row.</p>	<p><u>  2  </u> columns.</p> <p><u>  3  </u> in each column.</p>	<p><math>2 + 2 + 2</math></p> <p><math>3 + 3</math></p>

# Complete the table.

Array	Describe: Rows	Describe: Columns	Number sentence
	<p><u>  2  </u> rows.</p> <p><u>  2  </u> in each row.</p>	<p><u>  2  </u> columns.</p> <p><u>  2  </u> in each column.</p>	<p><math>2 + 2</math></p>



My array has 3 rows and 2 columns. The total number of counters must be an odd number.

True or false?

**False.**

**An array with 2 rows and 3 columns will use 6 counters.  
6 is an even number.**

The number sentence that represents the array is:

$$10 + 10 + 10$$

Complete the array to show this.

