

# Challenge cards



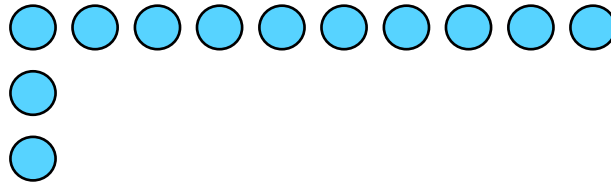
Problem solving and reasoning cards:



I have 15 counters.  
What array could I  
make from my counters?

Draw and describe the array that Rob  
could make using his counters.

The number sentence that represents the  
array is:  $10 + 10 + 10$ .  
Complete the array to show this.



There are \_\_\_\_\_ rows.

There are \_\_\_\_\_ columns.

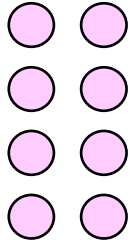
There are \_\_\_\_\_ counters altogether.



My array has 5 rows and  
2 columns. The total  
number of counters must  
be an even number.

Do you agree with Sue?  
Explain why.

Tick (✓) the number sentences that  
represent the array.

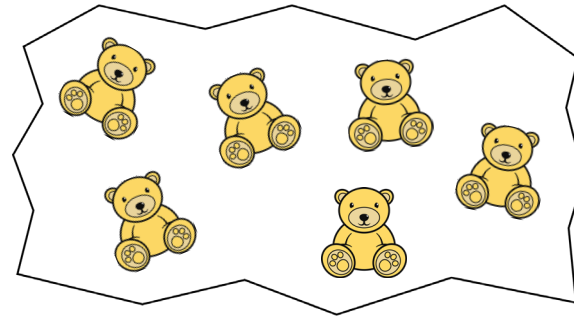


$2 + 2 + 2$

$4 + 4 + 4 + 4$

$4 + 4$

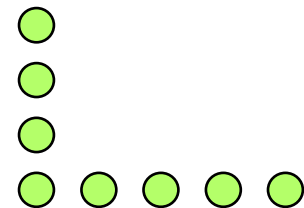
$2 + 2 + 2 + 2$



Build an array using counters to represent  
the bears above.

Draw and describe your array.

The number sentence that represents the  
array is:  $5 + 5 + 5 + 5$ .  
Complete the array to show this.



There are \_\_\_\_\_ rows.

There are \_\_\_\_\_ columns.

There are \_\_\_\_\_ counters altogether.

# Challenge cards



Problem solving and reasoning cards:



I have 15 counters.  
What array could I  
make from my counters?

Draw and describe the array that Rob  
could make using his counters.

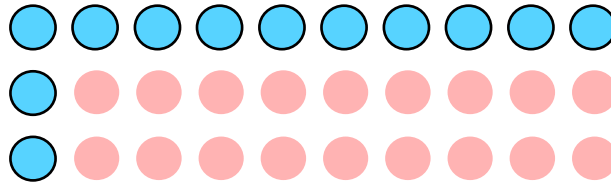
Children will draw a 3x5 or 5x3 array.

5 rows, 3 columns.

3 columns, 5 rows.

15 altogether.

The number sentence that represents the  
array is:  $10 + 10 + 10$ .  
Complete the array to show this.



There are 3 rows.

There are 10 columns.

There are 30 counters altogether.



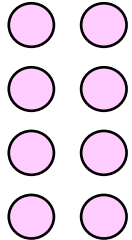
My array has 5 rows and  
2 columns. The total  
number of counters must  
be an even number.

Do you agree with Sue?  
Explain why.

Yes, Sue is correct.

An array with 5 rows and 2 columns will  
use 10 counters, which is an even number.

Tick (✓) the number sentences that  
represent the array.

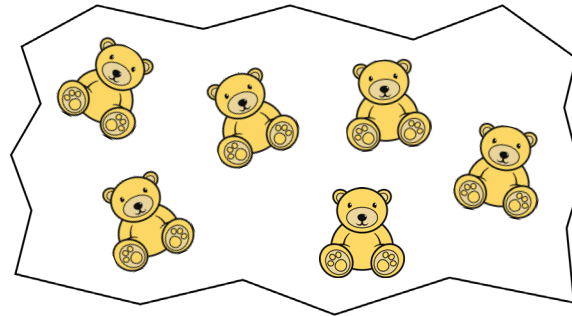


$2 + 2 + 2$

$4 + 4 + 4 + 4$

$4 + 4$

$2 + 2 + 2 + 2$

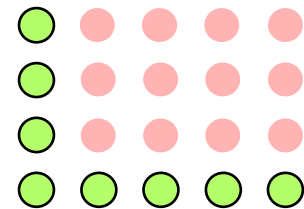


Build an array using counters to represent  
the bears above.

Draw and describe your array.

Children will build and describe a 2x3 or  
3x2 array.

The number sentence that represents the  
array is:  $5 + 5 + 5 + 5$ .  
Complete the array to show this.



There are 4 rows.

There are 5 columns.

There are 20 counters altogether.