

Challenge cards



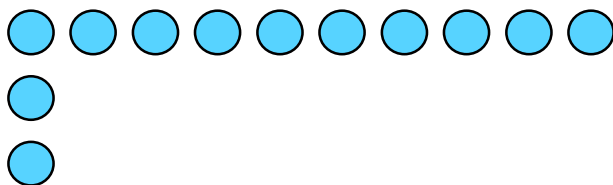
Problem solving and reasoning cards:



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.



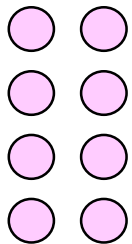
There are _____ rows.
There are _____ columns.
There are _____ counters altogether.



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.

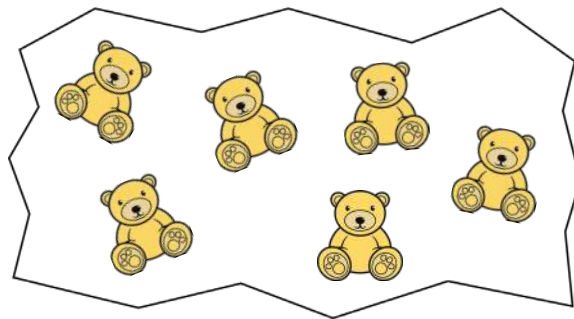


$2 + 2 + 2$

$4 + 4 + 4 + 4$

$4 + 4$

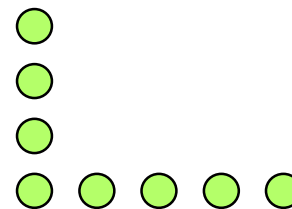
$2 + 2 + 2 + 2$



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.

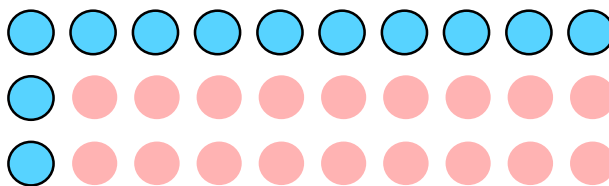
Children will draw a 3x5 or 5x3 array.

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.



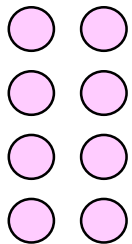
My array has 5 rows and 2 columns. The total number of counters must be an even number.

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.

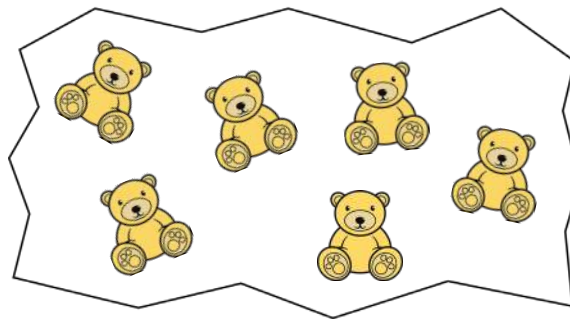


$2 + 2 + 2$

$4 + 4 + 4 + 4$

$4 + 4$

$2 + 2 + 2 + 2$

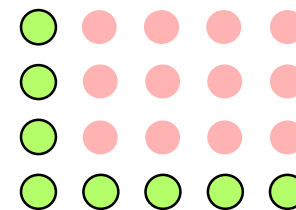


Build an array using counters to represent the bears above.

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.