

## What do you see?

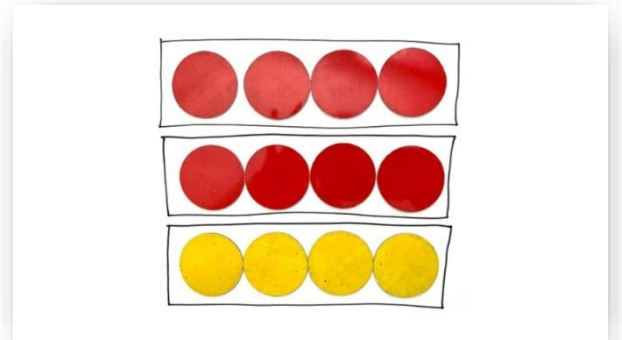
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For a full description of this teacher-led activity, see the blog post <https://anitachinmaths.com.au/blog-posts/using-maths-language-in-your-classroom/>.

From that blog post, click on the array image to display it in a lightbox on your big screen in the classroom. Then ask your students 'What do you see?'.

Use questioning to encourage students to use the full range of mathematical language. Record student responses on the white space around the image.

Here's some exemplar responses for each stage. I'm sure your students will be inspired to use plenty of other awesome maths language as well!



Theme	Kindergarten	Years 1 & 2	Years 3 & 4	Years 5 & 6
2D space	I see lots of <b>red</b> and <b>yellow</b> dots. The dots are circles because they have one curved side.	I see <b>quadrilaterals</b> that are rectangles.	N/A	N/A
2D space	I see 3 black <b>rectangles</b> that are going sideways from <b>left to right</b> .	The rectangles are <b>horizontal</b> because they go from left to right.	N/A	N/A
counting	I see 12 dots. I counted them: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12.	<b>In total</b> I see 12 dots. I counted them: 1, 2, 3, 4, 5, 6, 7, <b>8</b> , 9, 10, 11, <b>12</b> .	I see <b>12 dots altogether</b> . I counted them by fours: 4, 8, 12. These numbers are called <b>multiples of 4</b> .	N/A
number in each group	I see <b>4 dots in each group</b> going from <b>left to right</b> .	I see <b>groups</b> of 4. We can call them <b>rows</b> because they go from left to right.	I see <b>horizontal rows</b> of 4.	N/A
number of groups	I see equal <b>groups</b> .	I see <b>3 equal groups</b> .	N/A	N/A
the array	N/A	I see 3 <b>rows</b> of 4.	I see an <b>array</b> because every row has the same amount in it.	N/A
multiplication	N/A	I see 3 <b>groups</b> of 4 which <b>is the same as</b> 4 <b>plus</b> 4 plus 4.	It's an array! 4 <b>multiplied by</b> 3 is 12. We can also say the <b>product</b> of 4 and 3 is 12.	N/A
division	N/A	12 dots are <b>shared into rows</b> of 4.	N/A	N/A
division	N/A	12 dots <b>shared</b> equally into <b>3 rows</b> .	12 dots are <b>shared into</b> 3 equal groups. There are 4 in each group.	N/A
fractions	N/A	N/A	I see 3 rows and because they are all equal, I can call them <b>thirds</b> .	One group out of three groups is yellow. It has 4 dots. So, <b>one-third</b> of 12 is 4.