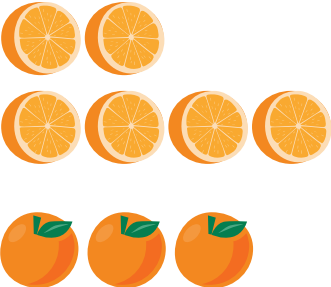
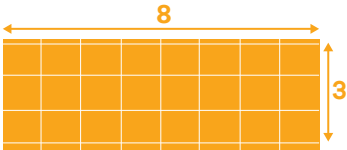


Decimal Thinkboard - for multiplication and division

	Example 1	Example 2	Example 3
Number Sentence	$0.5 \times 6 = 3$		
Context	I had some oranges that were cut in half. I now have 6 halves. How many whole oranges did I have to start with?	Rosalyn uses 3.12 metres of fabric to make one dance costume. If she needs to make 8 costumes, how many metres of fabric must she purchase?	I have a 3m piece of rope, I need to cut it into 60cm pieces. How many pieces will I manage to cut?
Diagram	 <p>The diagram illustrates the context of Example 1. It shows 6 orange halves arranged in two rows of three, and 3 whole oranges arranged in a single row below them.</p>		
Strategy 1	$5 \times 6 = 30$ therefore $0.5 \times 6 = 3$		24.5 divided by 0.5 means how many halves in 24.5?
Strategy 2	5 tenths $\times 6 = 30$ tenths which is the same as 3 ones		
Partitioning and the distributive property		$a \times (b + c) = 8 \times (3 + 0.12)$  <p>The diagram shows a large rectangle divided into a grid of 8 columns and 3 rows. A horizontal arrow above the grid is labeled '8', and a vertical arrow to the right is labeled '3'. A smaller section of the grid, representing 0.12, is indicated by a horizontal arrow above the last two columns and a vertical arrow to the right of the last two rows.</p>	