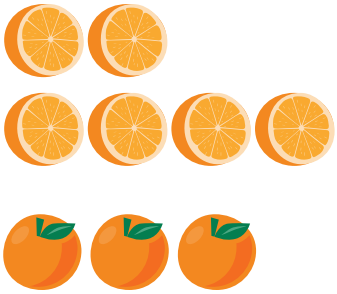
Decimal Thinkboard - for multiplication and division

	Example 1	Example 2	Example 3
Number Sentence	0.5 x 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			
Strategy 1	5 x 6 = 30 therefore 0.5 x 6 = 3		24.5 divided by 0.5 means how many halves in 24.5?
Strategy 2	5 tenths x 6 = 30 tenths which is the same as 3 ones		
Partitioning and the distributive property		$a \times (b + c) = 8 \times (3 + 0.12)$