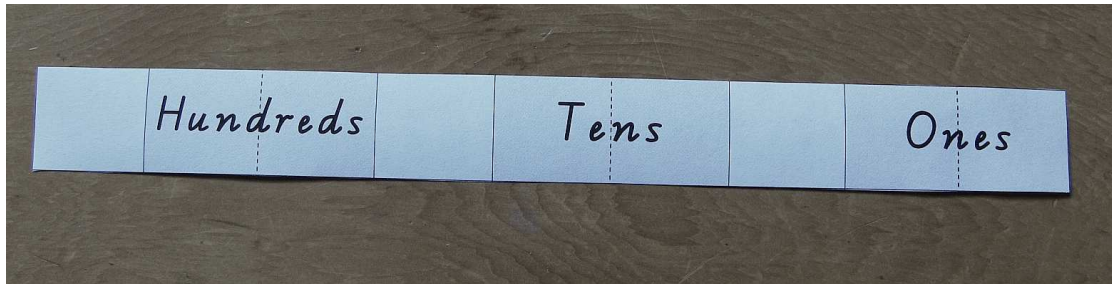
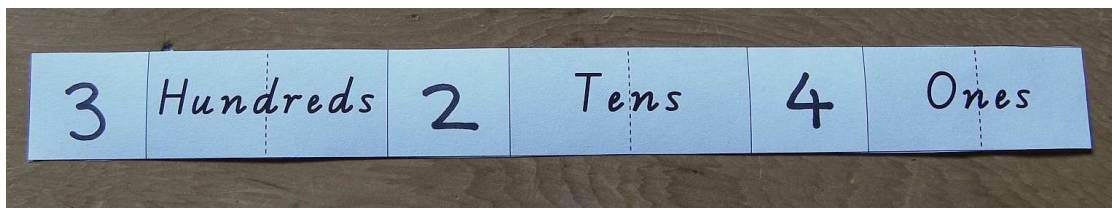


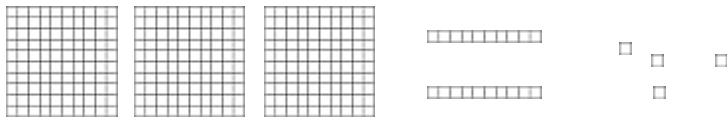
## Using Number Expanders



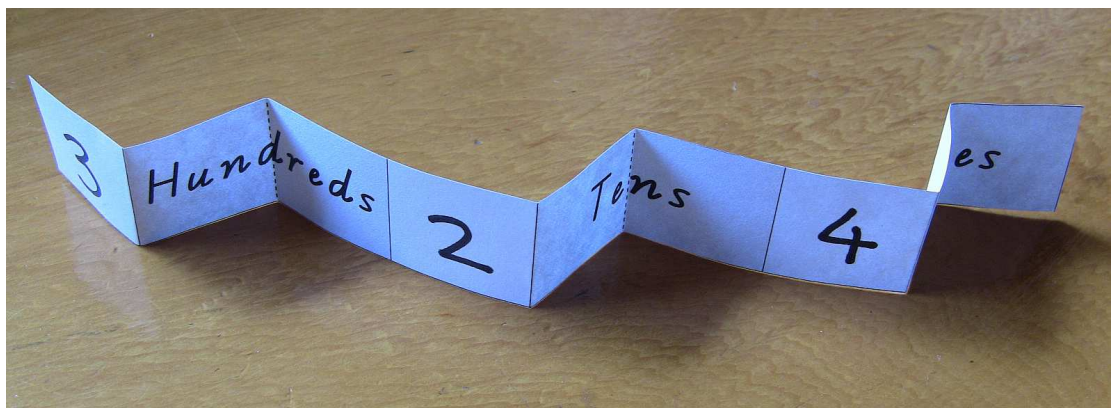
Write in the number required:



Use Base 10 materials to represent this arrangement:



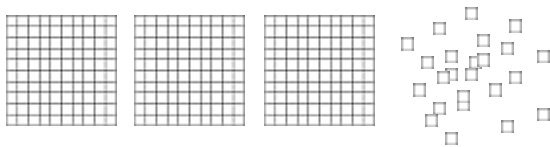
Fold the Expander like this...



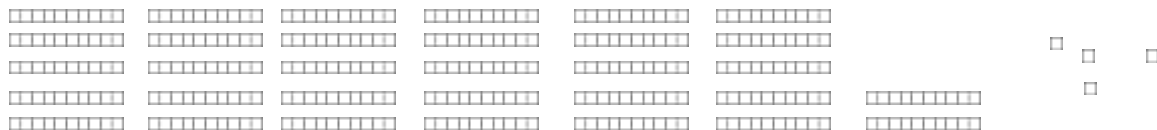
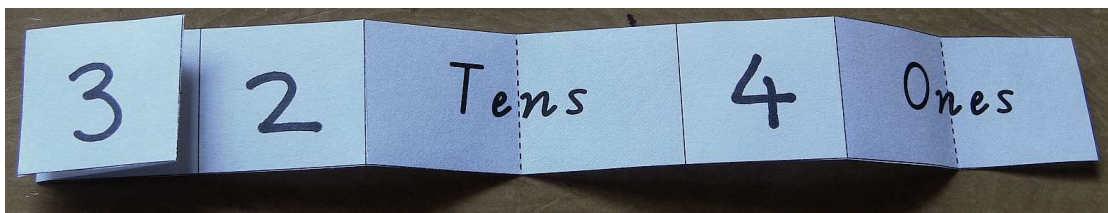
... so that it looks like this:



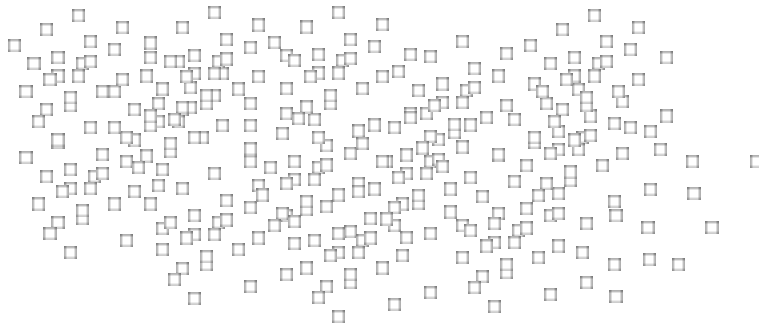
Then unfold in different combinations and use Base 10 materials to make the arrangement shown. For example:



Or...



...or even...



A flexible understanding of how we represent number, using base 10 and place value, will enable students to learn efficient ways of adding, subtracting, dividing and multiplying.