## Using Number Expander



Write in the number required：

$$
3 \text { Hundreds } 2 \text { Tens } 4 \text { Ones }
$$

Use Base 10 materials to represent this arrangement：


पा1ा1ा

प11ा1ा1

[^0]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...


प1111111
प111111
 पாामाम पामामाए प11111 प11111 पा1ा1ா पाாाாா


प1111111

11111111
एमामा1ए
पா1111
प111111
प1111111

प111111
4111111
प111111
पा1ापा
11111111
$\square \square$
$\square$
प11111111
प1111111


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.


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