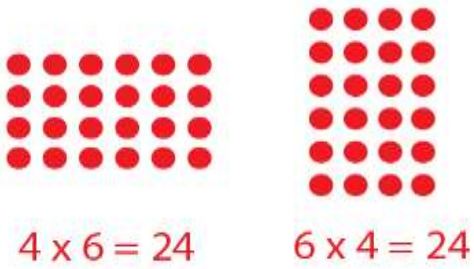


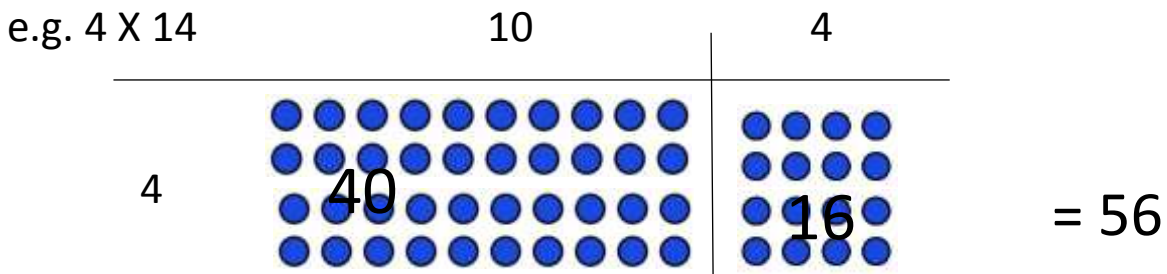
Multiplication

Year 3

Use arrays to understand that multiplication can be done in any order (commutative).



Develop written methods

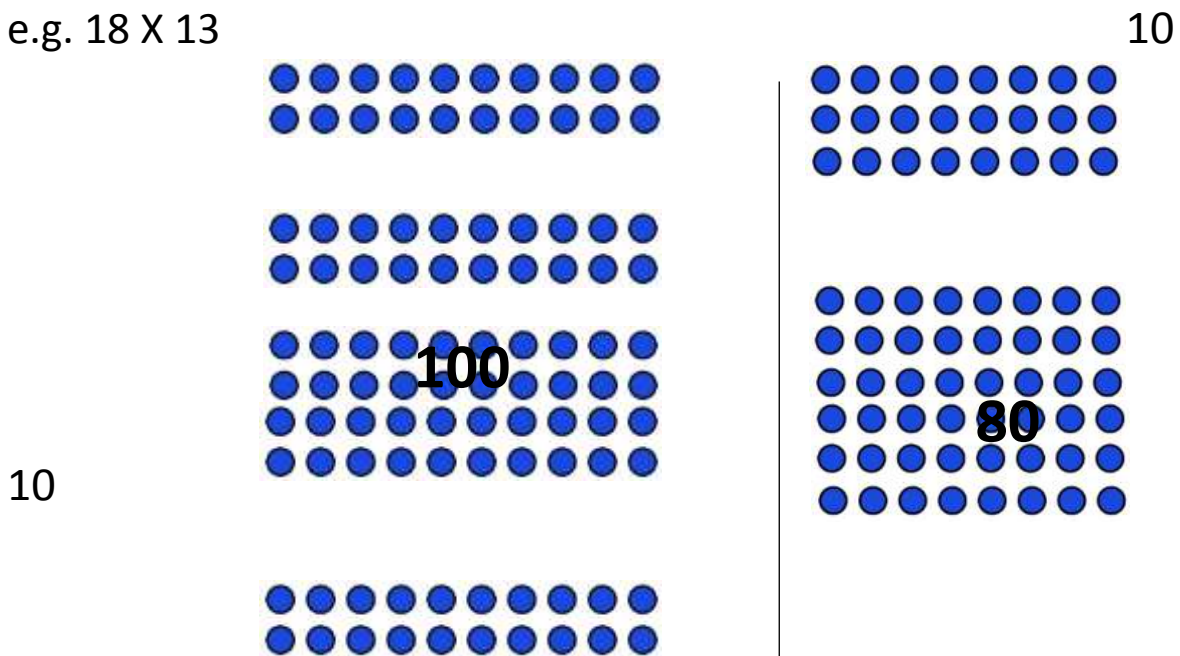


Develop onto the grid method:

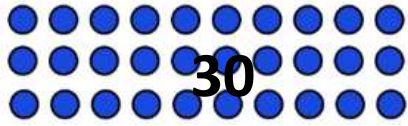
X	10	4	
4	40	16	= 56

Year 4

Progressing to 2 digit X 2 digit



3



= 234

18 X 13

X	10	8	
10	100	80	= 180
3	30	24	= 54
			<u>234</u>

Year 5

As year 4, with place value counters, progressing onto long multiplication.

X	100	20	8		128
10	1000	200	80	= 1280	<u>X 13</u>
3	300	60	24	= <u>384</u>	1280
				<u>1664</u>	<u>384</u>
					<u>1664</u>

Year 6

Continue to deepen understanding of written methods

X	1000	100	20	8		1128
10	10000	1000	200	80	= 11280	<u>X 13</u>
3	3000	300	60	24	= <u>3384</u>	11280
					<u>14664</u>	<u>3384</u>
						<u>14664</u>