



## Year 5 Multiply up to 4 digits by 1 or 2 digits.

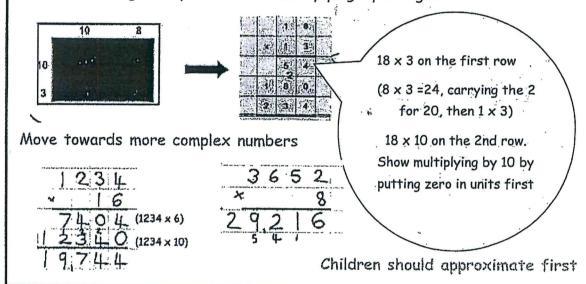
Introducing column multiplication

Introduce column multiplication by comparing a grid method calculation, in order to see how the

×	300	20	7		3	27
4	1200	80	28		×	4
		<u> </u>		4	13	08

steps are related. Notice how there are less steps involved.

Introduce long multiplication for multiplying by 2 digits



Key vocabulary groups of, lots of, times, array, altogether, multiply, count, multiplied by, repeated addition, column, row, sets of, equal groups, times as big as, once, twice, three times..., partition, grid method, multiple, product, tens, units, value, inverse, square, factor, integer, decimal, short/long multiplication, 'carry'

## Key Skills for addition at Year 5

- · Know and recite all times tables including division facts.
- Multiply 2- and 3-digit numbers by numbers ≤12 using grid method; multiply
  2-digit by 2-digit numbers using grid method.
- Identify multiples and factors, using knowledge of multiplication tables up to  $12 \times 12$
- Scale up or down by a factor of 2, 5 or 10
- Multiply integers and decimals by 10, 100, 1000
- · Recognise and use squared, cubes and their notations