Multiplication



	Th	Н	Т	ο
	1	8	2	6
×				3
	5	4	7	8
	2		1	

Year: 5

When multiplying 4digit numbers, place value counters are the best manipulative to use to support children in their understanding of the formal written method. If children are multiplying larger numbers and struggling with their times tables, encourage the use of multiplication grids so children can focus on the use of the written method.



Year: 5

When multiplying a multi-digit number by 2-digits, use the area model to help children understand the size of the numbers they are using. This links to finding the area of a rectangle by finding the space covered by the Base 10. The grid method matches the area model as an initial written method before moving on to the formal written multiplication

Skill: Multiply 3-digit numbers by 2-digit numbers

Year: 5



Children can continue
to use the area model
when multiplying 3-
digits by 2-digits.
Place value counters
become more
efficient to use but
Base 10 can be used
to highlight the size of
numbers.

Children should now move towards the formal written method, seeing the links with the grid method.

30 6,000 900 120 2 400 60 8	×	200	30	4
2 400 60 8	30	6,000	900	120
	2	400	60	8

Η

2

4

0

4

Т

3

3

6

2

8

0

4

2

8

0

8

234 × 32 = 7,488

Skill: Mu	ıltiply 4-di	git nu	mbers	by 2-	digit n	umbers Year: 5/6
	TTh	Th	Н	Т	0	When multiplying 4 digits by 2-digits, children should be
		2	7	3	9	confident in using th formal written method.
	×			2	8	If they are still
	2	1 5	9 3	1 7	2	struggling with time tables, provide
	5	4	7	8	0	support when they are focusing on the
	7	6	6	9	2	use of the method.
2,739 × 28	3 = 76,6	592	1	1	1	Consider where exchanged digits an placed and make sure this is consiste