## Skill: Solve 1-step problems using multiplication









0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

One bag holds 5 apples. How many apples do 4 bags hold?





5+5+5+5=20  $4 \times 5 = 20$  $5 \times 4 = 20$ 

## Year: 1/2

Children represent multiplication as repeated addition in many different ways.

In Year 1, children use concrete and pictorial representations to solve problems. They are not expected to record multiplication formally.

In Year 2, children are introduced to the multiplication symbol.



## Year: 3/4

Informal methods and the expanded method are used in Year 3 before moving on to the short multiplication method in Year 4. Place value counters should be used to support the understanding of the method rather than supporting the multiplication, as children should use times table knowledge.





	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.

Skill: Mu	Skill: Multiply 4-digit numbers by 2-digit numbers					
	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	8 = 76,6	592	1	1	1	Consider where exchanged digits an placed and make sure this is consiste