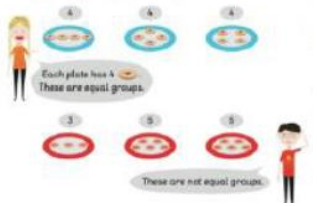
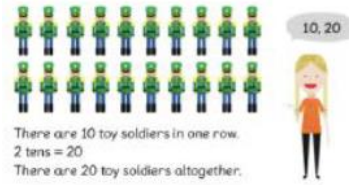
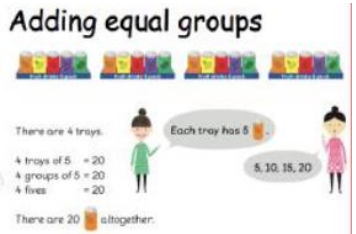
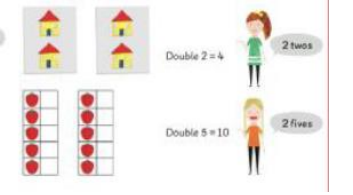
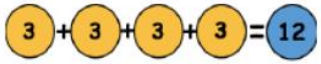
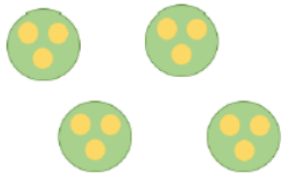
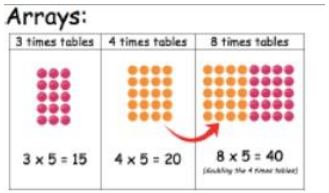
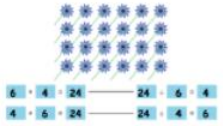
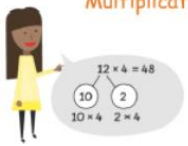
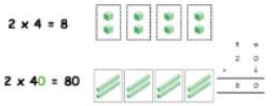
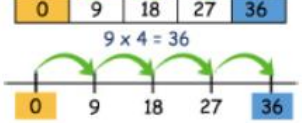
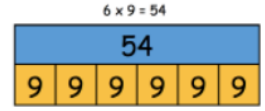
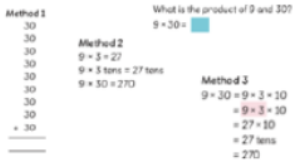
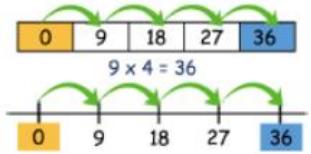
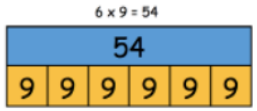
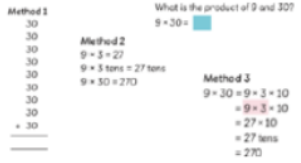
Calculation Policy: Multiplication

Year 1	Year 2	Year 3	Year 4	Year 5 / 6
Making equal groups  Making equal rows  Adding equal groups  Making doubles 	Repeated addition:  Grouping Method:  Groups of:  Number line method:  Multiplication: 	Arrays:  Make a family of multiplication and division facts:  Number bond strategy: Multiplication  Bridged column method: Without renaming  Short multiplication: Without renaming 	Array method:  6 x 3 = 18 OR 3 x 6 = 18 Number line method:  Bar model:  Multiply 3 numbers:  2 x 5 x 6 = 10 x 6 = 60 Multiplying by 10: 	Array method:  6 x 3 = 18 OR 3 x 6 = 18 Number line method:  Bar model:  Multiply 3 numbers:  2 x 5 x 6 = 10 x 6 = 60 Multiplying by 10: 

Abstract calculations:

Commutative

3 x 4 = 12

4 x 3 = 12

Multiplying a 2-digit number *without renaming*

	t	o
	3	2
×		3
		6
	9	0
	9	6

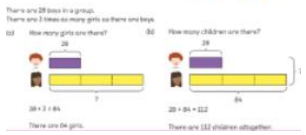
Multiplying a 2-digit number *with renaming*

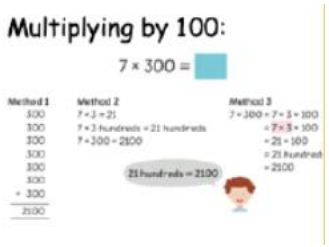
	t	o
	2	6
×		3
	1	8
+	6	0
	7	8

Short multiplication *with renaming*

	h	t	o
		2 4	3
×			8
	3	4	4

Solving word problems: *Bar model*





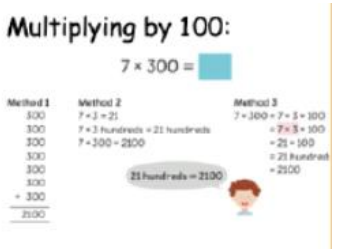
Multiplying 2 digit by 1-digit number *with renaming*

	2	3
×		6
	1	8
+ 1	2	0
1	3	8

2 digit x 1 digit

Multiplying 3 digit by 1-digit number *with renaming*

3 digit x 1 digit



Multiplying a 3 digit by a 2-digit number *with renaming*

Multiply 253 × 17.

	2	5	3
×		1	7
	1	7	7
+	2	5	3	0
	4	3	0	1

	2	5	3
×			7
	1	7	7	1