





times. Four times, five times ... ten times, repeated addition,



times. Four times, five times ... ten times, repeated addition, multiplication,

Year 3 – multiplication				
Curriculum 2014 Statutory Requirements Pupils should be taught to: Recall and use multiplication facts for the 3, 4 and 8 multiplication tables Write and calculate mathematical statements for multiplication using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to written methods Solve problems involving missing number problems involving multiplication including positive number scaling problems and correspondence problems where n objects are connected to m objects.				
Pupils recall and use the 2x, 5x,10x, 3x, 4x, 6x 8x				Teaching Points Promote high
Pupils build on their doubling skills of the 2x to find 4x then 4x to find 8x.				expectations of table knowledge
Children build on their understanding of the grid method to solve problems such as 23 x 3				Ensure children are confident at partitioning. Use brackets to support
	<b>X</b>	3 60	23 <u>x 3</u> 9 (3x3) <u>60 (20x3)</u> 69	children moving to this method.
	3	9		Modal grid method along side short method. Use brackets to support transition from grid to column.
When calculating a calculation such as 43 x 2, modal and discuss appropriateness of approach and referring to doubling. Progress and modal doubling and doubling again when finding 4x.				<u>Variation ideas</u> 9 x 8 = 9 x 80 = 9 x 800 = 90 x 8 = 900 x 8 = ? = 900 x 8 72 = ? x 8
Vocabulary Group of, lots of, array, count, double, times, multiply, multiplied by once, twice three times. Four times, five times ten times, repeated addition, multiplication, product,				

## Year 4 – multiplication Curriculum 2014 Statutory Requirements Pupils should be taught to: Recall and use multiplication facts for multiplication tables up to 12 x 12 Use place value, known and derived facts to multiply mentally, including: x0 x1 and multiplying together three numbers Recognise and use factor pairs and commutatively in mental calculations Multiply two-digit and three-digit numbers by a one-digit number using formal written lavout Solve problems involving multiplying, including the distributive law to multiply two-digit numbers by one-digit including positive number scaling problems and correspondence problems where n objects are connected to m objects. Teaching Points Pupils recall and use table facts **up 12x12** Continue to secure short method moving Expanded column multiplication to 3 digit numbers. TO x O with brackets 2 TO x O HTO x O 3 Ensure appropriateness 34 3 4 34 2 of number. 3 х 3 Х 3 12 1 2 (4 x 3) 12 90 9 0 (3 0 x 3) 90 I 0 2 I 0 2 600 × 7 0 2 Compact column multiplication × HTO x O 2 3 4 3 Х 7 0 2 Cross out once used! \* \*

## Vocabulary

Group of, lots of, array, count, double, times, multiply, multiplied by once, twice three times. Four times, five times ... ten times, repeated addition, multiplication, product,





multiplication, short multiplication.