Multiplication and Division - Year 4 Knowledge Organiser																						
Key Vocabulary	Multiplication and Division Facts Use Place Value to Multiply and Divide Mentally															: Mentally						
multiply	x	1	2	3	4	5	6	7	8	9	10	11	12							5 × 1 = 5 5 ÷ 1 = 5		
	1	1	2	3	4	5	6	7	8	9	10	11	12		ě	×1	17a					
groups of	2	2	4	6	8	10	12	14	16	18	20	22	24			The second secon						
	3	3	6	9	12	15	18	21	24	27	30	33	36			. 300					5 × 10 = 50	
lots of	4	4	8	12	16	20	24	28	32	36	40	44	48					50 ÷ 10 = 5				
	5	5	10	15	20	25	30	35	40	45	50	55	60		•							
times	6	6	12	18	24	30	36	42	48	54	60	66	72			h o	ų ų					
divide	7	7	14	21	28	35	42	49	56	63	70	77	84					mm		5 × 100 = 500		
	8	8	16	24	32	40	48	56	64	72	80	88	96							500 ÷ 100 = 5		
share	9	9	18	27	36	45	54	63	72	81	90	99	108		2							
	10	10	20	30	40	50	60	70	80				120		-			° 🏢				
	11	11	22 24	33	44	55 60	66 72	77 84	88 96	99	110											
remainder		12 12 24 36 48 60 72 84 96 108 120 132 144												4								
factor	Fact	Factor pairs and Commutativity Multiply Using														ing Formal Written Methods						
			20	<u> </u>				5 × 4	= 20		Th	ι H	Т	-	0		Th	н	т	0	Remember to move any regrouped	
multiple							i		8			5	4	ł	3			-	,	2	numbers into the next column.	
							ĕ				×				4			5	4	3	After the next multiplication,	
product								4 × 5 = 20					1		2	(4 × 3) ×	×			4		
	The factors of 20 are 1, 2, 4, 5, 10 and 20.							00000				1	6		0	(4 × 40)	2	1	7	2	answer.	
	The factor pairs are:						00000			2				0 (4 × 500)	. 1	-						
	1 and	1 and 20 2 and 10 4 and 5								2	1	. 7	'	2			1					



