Multiplication and Division Knowledge Organiser			
Key Vocabulary	Factors		Prime Numbers
multiply	A factor is a number that divides into another number exactly, without leaving a remainder.		1 2 3 4 5 6 7 8 9 10
groups of	20	A common factor is a factor of 2	11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
lots of		or more numbers.	31 32 33 34 35 36 37 38 39 40
times		Factors of 6 20 2	41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
divide	The factors of 20 are 1, 2, 4, 5, 10 a	and 20.	61 62 63 64 65 66 67 68 69 70 71 72 74 75 74 73 70 70
share	The factor pairs are: 1 and 20 2 and 10	15 5	71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90
remainder	4 and 5	Factors of 15	91 92 93 94 95 96 97 98 99 100
factor	Squared ² and Cubed ³ Numbers		Related Calculations
multiple			8 × 9 = 72 9 × 8 = 72
product			80 × 9 = 720 90 × 8 = 720
	$2^2 = 4$ $2^3 = 8$	$5^2 = 25$ $5^3 = 125$	72 ÷ 9 = 8 72 ÷ 8 = 9
twinkl visit twinkl.com	2 × 2 = 4 2 × 2 × 2 = 8	5 × 5= 25 5 × 5 × 5 = 125	720 ÷ 9 = 80 720 ÷ 8 = 90