

Topic: Multiply and divide 4 digit numbers

Year: Six Theme: Multiplicati

Theme: Multiplication and Division

Key concepts and questions	Key Vocabulary					
Which operation should be used?There will be key words within the question to help you. For multiplication, multiply, by, times, lots of, equal groups, groups of, multiplied by, per. For division, divide, each, equal parts, evenly, split, share, group.What order should operations be completed in? Operations must be completed in a certain order. Brackets, division, multiplication, addition then subtraction. E.g. $2 + 3 \times 5 - 7 + (3 \times 2)$ . Solve the brackets first: $2 + 3 \times 5 - 7 + 6$ . Then do the multiplication: $2 + 15 - 7 + 6$ When only addition and subtraction are left, work out from left to right: $2+15=17$ 17-7=10 10+6=16	remaind	.er	multiple	factor	Inverse	
	order of	order of operations Brackets, division, multiplication, addition, subtraction.		lbtraction.		
	prime factor		A factor that is a prime number.			
	prime number		Divides by only itself and one.			
	composite number		Divides by itself, one and other integers.			
	squared (x²)		Multiply a number by itself e.g. 8x8=64. 64 is a square number.			
	cubed (x³)		Multiply a number by itself 3 times. E.g. 2x2x2=8 8 is a cube number.			
	commutative		Multiplication can be done in any order e.g. 6x4 and 4x6 equal 24.			
Representations			Making connections			



![](_page_0_Figure_7.jpeg)