Year 4 Multiplication and Division Learning Journey

Ready to Progress
Non-statutory guidance for key skills and knowledge needed
Resources, ideas and assessment questions available in the Maths Guidance NCETM

Year 3 Prior Learning	Year 4	NCETM
Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables	Recall multiplication and division facts for multiplication tables up to 12 × 12 and recognise products in multiplication tables as multiples of the corresponding number	
✓ Recall and use the multiplication and division facts for 3 times tables	✓ Know the effect of multiplying by 0 and 1 and dividing by 1.	
✓ Recall and use the multiplication and division facts for 4 times tables	✓ Recall and use multiplication facts for the 6 times table.	
✓ Recall and use the multiplication and division facts for 8 times tables	✓ Recall and use division facts for the 6 times table.	
	✓ Recall and use multiplication facts for the 7 times table.	
	✓ Recall and use division facts for the 7 times table.	
	✓ Recall and use multiplication facts for the 9 times table.	
	✓ Recall and use division facts for the 9 times table.	
	✓ Recall and use multiplication facts for the 11 times table.	
	✓ Recall and use division facts for the 11 times table.	
	✓ Recall and use multiplication facts for the 12 times table.	
	✓ Recall and use division facts for the 12 times table.	
	✓ Mentally multiply three numbers together.	
	Multiply and divide whole numbers by 10 and 100 (keeping to whole number quotients);understand this as equivalent to making a number 10 or 100 times the size	
	✓ Multiply by 10	
	✓ Multiply by 100	
	✓ Divide by 10	
	✓ Divide by 100	

Tanya Naylor

Year 3 Prior Learning	Year 4	NCETM
✓ Interpret arrays as multiplication sentences	✓ Use the distributive law to multiply a two-digit number by a one-digit number.	
✓ Understand the commutative nature of multiplication?	✓ Use short multiplication to multiply a two-digit number by a one-digit number.	
✓ Draw arrays to represent multiplication sentences	✓ Use short multiplication to multiply a three-digit number by a one-digit number.	
✓ Understand the distributive law applied to a multiplication of a two-digit number by a one-digit number		
✓ Multiply 2dx1d using expanded method		
✓ Multiply 2dx1d using the formal written method		
✓ Identify the correct operation(s) required in order to solve a problem and create mathematical statements		
	Recognise and use factor pairs and commutativity in mental calculations	
	✓ Recognise factor pairs.	
	✓ Use factor pairs to solve calculations / word problems.	
Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects	Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects	
	✓ Identify when a scaling or correspondence problem can be solved using multiplication or division.	
	Solve division problems, with 2-digit dividends and one-digit divisors, that involve remainders, and interpret remainders appropriately according to the context	
	✓ Divide 2 digit numbers by 1 digit.	
	✓ Divide 3 digit numbers by 1 digit.	

Tanya Naylor