Year 4 - Multiplication

Key words: column method, place value, digits, thousands, hundreds, tens, ones, regrouping, exchanging, times tables, partitioning.

Resources: multiplication square, place value grid, number line, counters, dienes. By Year 4, children should be able to multiply 2-digit and 3-digit numbers by a 1-digit number

	Questions
WTS	There are 21 chocolate bars in each vending machine. How many chocolate bars are there in 3 vending machines?
19 10.2	
	Use this method to solve
	22 × 3 12 × 4 33 × 3
	Use APE to explain how you know you are correct.
EXS	Spot the mistake
	Beth and Natasha have both completed the same multiplication. Who has the correct answer? What was the misconception that caused the error?
	Beth Natasha
	2 3 4 2 3 4 Use APE to explain how you know you are correct. 1,204 1,404
GDS	Charlie and his mum were having a reading competition. In one month, Charlie read 814 pages.
	His mum read 4 times as many pages as Charlie. How many pages did they read altogether? How many less pages than his Mum did Charlie read? Use APE to show you know you are correct.

	Solutions
WTS	I know I am correct 3 (3×1) 60 (3×20) three groups of 21. I have partitioned the number into 20 and 1.
EXS	234 X 6 1404 Beth didn't exchange her 20 tens for 2 hundreds.
GDS	1 8 14 - Attogether they read x 5 4,070 pages. I know I am 4,0 70 814 and his mum read 4 times as much so the calculation would be 814 x5. 2 8 1 4 - Charile read 2,442 pages less than his mum. x 3 - I know I am correct because my 2 4 4 2 calculation shows that charies mum would have read 3 times more.