



Learning First Federation Progression in Division National Curriculum 2014

Year	What will division look like?	Notes
		The guidance in italics is taken from the non- statutory guidance in the 'National Curriculum in England' document for 2014
EYFS	Pupils use concrete objects and practical situations to explore sharing to answer questions such as: Share the biscuits out so that everyone has the same number. Cut the sandwich in half. How many pieces are there?	
1	Pupils solve one-step problems involving division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher. Pupils use sharing and grouping to solve division problems. Sharing e.g. 6 cakes are shared equally between 2 people. How many cakes does each person get?	Through grouping and sharing small quantities, pupils begin to understand: multiplication and division; doubling numbers and quantities; and finding simple fractions of objects, numbers and quantities. They make connections between arrays, number patterns, and counting in twos, fives and tens.
2	Pupils calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (+) and equals (=) signs $4 \times 3 = 12$ $3 \times 4 = 12$ $12 \div 4 = 3$ $12 \div 3 = 4$ Pupils solve problems involving multiplication and division, using practical materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts, e.g. 15 pencils are put into boxes of 5. How many boxes of pencils will there be? Also use arrays to model division. $15 \div 5 = 3$ and $15 \div 3 = 5$	 Pupils use a variety of language to describe multiplication and division. Pupils are introduced to the multiplication tables. They practise to become fluent in the 2, 5 and 10 multiplication tables and connect the 5 multiplication tables to the divisions on the clock face. They begin to use other multiplication tables and recall multiplication facts, including using related division facts to perform written and mental calculations. Pupils work with a range of materials and contexts in which multiplication and division relate to grouping and sharing discrete and continuous quantities, to arrays and to repeated addition. They begin to relate these to fractions and measures (for example, 40÷ 2 = 20, 20 is a half of 40). They use commutativity and inverse relations to develop multiplicative reasoning (for example, 4 × 5 = 20 and 20 ÷ 5 = 4).
	Also use arrays to model division. $15 \div 5 = 3$ and $15 \div 3 = 5$	



HAP (Year 4) Pupils divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context, e.g. 432 school children go on a camping trip. Each tent sleeps five. How many tents will they need to take?	
432 ÷ 5 becomes	
$ \begin{array}{c c} 8 & 6 & r \\ 5 & 4 & 3 & 2 \end{array} $	
Answer: 86 remainder 2	
Answer: They will need to take 87 tents.	