

Knowledge Organiser

Year Group	Subject	Topic
Year 2	Maths	Number: Multiplication and Division


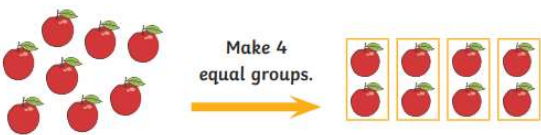






The Big Picture

Children will be able to recall and use multiplication and division facts for the 2, 5, and 10 times table, including recognising odd and even numbers. They will calculate, solve problems and show that the multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.

Sequence of learning

Small Steps

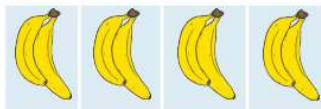
- ▶ Recognise equal groups
- ▶ Make equal groups
- ▶ Add equal groups
- ▶ Multiplication sentences using the \times symbol
- ▶ Multiplication sentences from pictures
- ▶ Use arrays
- ▶ 2 times-table
- ▶ 5 times-table
- ▶ 10 times-table

Multiplication and Division		Knowledge Organiser	
Key Vocabulary	Recognise Equal Groups	Make Equal Groups	
groups		 Make 4 equal groups.	
equal groups	5 equal groups with 3 in each group		
lots of		Add Equal Groups	
arrays	2 equal groups with 4 in each group	 $2 + 2 + 2 + 2 = 8$ apples	
repeated addition		The Multiplication Symbol	
multiplication	4 equal groups of 10	 $4 \times 2 = 8$ $2 \times 4 = 8$ 8 apples	
times tables		 $2 \times 5 = 10$ $5 \times 2 = 10$ 10 cookies	
	6 equal amounts of 5 pence		

Multiplication and Division

Knowledge Organiser

Multiplication from Pictures



4 lots of 2 = 8



2 lots of 4 = 8



Use Arrays



4 rows of 10 = 40
10 columns of 4 = 40



The 2 Times Table



6 lots of 2 = 12

2	4	6	8	10	12	14	16	18	20	22	24
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The 5 Times Table



9 lots of 5 = 45

5	10	15	20	25	30	35	40	45	50	55	60
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The 10 Times Table



7 lots of 10p = 70p

10	20	30	40	50	60	70	80	90	100	110	120
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