# Walter Infant School and Nursery



## Maths Support Booklet for Parents and Carers

Year 2

#### National Curriculum Expectations (by the end of year 2):

Recall and use multiplication and Division Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers. Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs. Show that multiplication of 2 numbers can be done in any order (commutative) and division of 1 number by another cannot. Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.
Measurement Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels. Compare and order lengths, mass, volume/capacity and record the results using >, < and =. Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value. Find different combinations of coins that equal the same amounts of money. Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change. Compare and sequence intervals of time tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times. Know the number of minutes in an hour and the number of hours in a day.
FractionsFractions1Recognise, find, name and write fractions1Image: set of objects or quantity.Write simple fractions, for example $\frac{1}{2}$ of 6 = 3 and recognisethe equivalence of $\frac{2}{4}$ and $\frac{1}{2}$ .
Statistics   Interpret and construct simple pictograms, tally charts, block diagrams and tables.   Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity.   Ask-and-answer questions about totalling and comparing categorical data.

1. Count in steps of 2,3, 5 and 10											Start from 0.	
1	2	3	4	5	6	7	8	9	10			Use the 100 square to help you.
11	12	13	14	15	16	17	18	3 19	20			
21	22	23	24	25	26	27	28	3 29	30			0 2 4 6 8 10 12 14 16 18 20
31	32	33	34	35	36	37	38	3 39	40			0 3 6 9 12 15 18 21 24 27 30
41	42	43	44	45	46	47	48	3 49	50			0 5 10 15 20 25 30 35 40 45 50
51	52	52	54	55	56	57	55	2 50	60			0 10 20 30 40 50 60 70 80 90 100
51	52								70			
61	62	63	04	65	60	6/	00	5 64	/0	-		
71	72	73	74	75	76	11	78	8 79	80	-		
81	82	83	84	85	86	87	88	8 89	90	-		
91	92	93	94	95	96	97	98	8 99	100	D		
2. Count in 10s from any number (forwards and backwards)										Choose any number to start on and count on 10 more each time		
	2	3	4	5	e	5	7	8	q	10		
	12	13	14	15	5 1	6	7	18	19	20		
21	22	23	24	2!	5 2	6	27	28	29	30		
31	32	33	34	3!	5 3	6	37	38	39	40		
41	42	43	44	4!	5 4	6 4	+7	48	49	50		
51	52	53	54	5!	5 5	6 !	57	58	59	60		
61	62	63	64	6!	5 6	6 (	57	68	69	70		
71	72	73	74	7!	5 7	6	77	78	79	80		
81	82	83	84	8	5 8	6 8	37	88	89	90		
91	92	93	94	9!	5 9	6 0	17	98	99	100°	e e e e e e e e e e e e e e e e e e e	
e.g sta	arting	on 2	7	•								
3.	Rec	ognis	e the	plac	e valı	le of	eac	h digi	t in a	2 digi	t number	Choose a 2 digit number and
25 is r	25 is made up of 2 tens and 5 ones.								partition it into tens and ones. Can you write a number sentence			
25 = 20 + 5								to represent it?				





#### **Bubble and Partition**

$$30 + 20 = 50$$
  
 $35 + 23 = 58$   
 $5 + 3 = 8$ 

Draw a bubble around the two numbers with lines. Partition the numbers, record the tens numbers at the top and the ones numbers down the bottom. Find the total for the tens and the ones and add these together.

8. Subtraction

### **Subtraction Vocabulary**

- subtract
- minus
- leave
- less
- take away
- difference between





Dienes are a physical resource that we use in school. They are made up of little cubes that represent 1 and rods that represent 10.



#### 37 - 9 = 28

Find the first number in the calculation and count back the second number. For example, start on 37 and count back 9 equals 28.

1	2	3	4	5	6	7	8	٩	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100



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Start on the first number in the calculation. Partition the second number into tens and ones. We take away the tens number (20) and then take away the ones number (3).

9. Multiplication

#### **Multiplication Vocabulary**

- lots of
- times
- multiply
- groups of
- product
- multiplied by
- multiple of
- repeated addition
- array



then take away the ones in jumps of one.

**Counting back using an** 







The children find a fraction of a shape, length, set of objects or quantity.





16. Recognise and use the symbol for pounds (£) and pence	Can you recognise all the notes and		
(p)	coins in your house? Can you write		
1p 2p 5p 10p	them down? Remember to use £ and p.		
20p 50p £1 £2			
<image/>			
17. Combine coins to make a specified amount of money	Use money when paying for things in the shops. Can you combine		
Can you make £2? How many different ways can you do it?	coins in order to do so?		
e.g.			
$f_1 + f_1$ $f_1 + 50p + 50p$	vou get if vou can't make the right		
£1 + 50p + 20p + 10p + 10p + 5p + 2p + 2p + 1p	amount?		
How many 10ps would you need?			
How many 5ps?			
18. Explore mass/weight	What can you find at home? Which		
	of scales you can weigh things on?		
The book is heavier than the nillow even though it's			
smaller.	weigh out the ingredients.		
19. Time There are 12 There are	How many minutes in an hour?		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	How many hours in a day?		







And most importantly, help your children learn that...

