

THE ORATORY PREP SCHOOL



Maths Information

Year 3

We will cover

- Scheme of work
- Assessment
- Vocabulary
- Key methods taught & equipment used
- Useful websites and Apps



Scheme of work

As a school we use White Rose Maths as a guide for our maths teaching.

This is then supported by;

- TT Rockstars (for timetables revision)
 MyMaths*
- Mathshed* (part of EdShed hub)
- Mathsbox
- Regular Mental Maths Tests

(*online homework tasks also set on here too)

In Year 3, children revise mathematical topics/methods taught in Year 2, as well as being introduced to new methods and concepts, enabling continuous consolidation and progress.



	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13				
Michaelmas	Place value	Addition and CAT4 testin		Time Am/pm 1/5 minute intervals	2D & 3D shapes	Multiplicatior Half term o	n and Division assessment	Measure: Length m, cm and mm	Fractions		Fractions		Fractions		Money	Data: Pictograms End of term assessment	Christmas themed maths
Lent	Place value	Fractions	Time	Addition and	d subtraction	Money Half term assessment	Shape - angles	Measure - perimeter	Problen	n solving	Data: bar charts End of term assessment	term					
Summer	Time	Multiplicatior	n and division	Shape – types of lines	Addition and	d subtraction	Frac	tions	Problem solving	End of Year - transition work							

Assessment

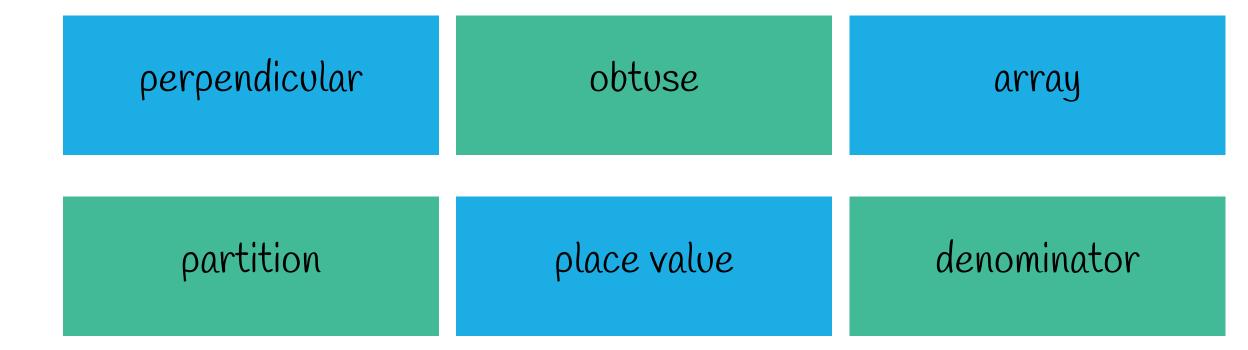
- CAT4 test (September) giving us a quantitative reasoning standardised score (thinking and problem solving with numbers).
- PTM (Progress Test in Maths) in May 2023, giving them a standardised score (a score indicating where they stand nationally in Maths, against their age).
- Half termly and End of Term test, written by us, to test their knowledge.

Other

The children will also have a **weekly mental arithmetic test**, which will develop their understanding of vocabulary and application of their class learning within a timed environment.



Let's test our knowledge of the vocabulary...



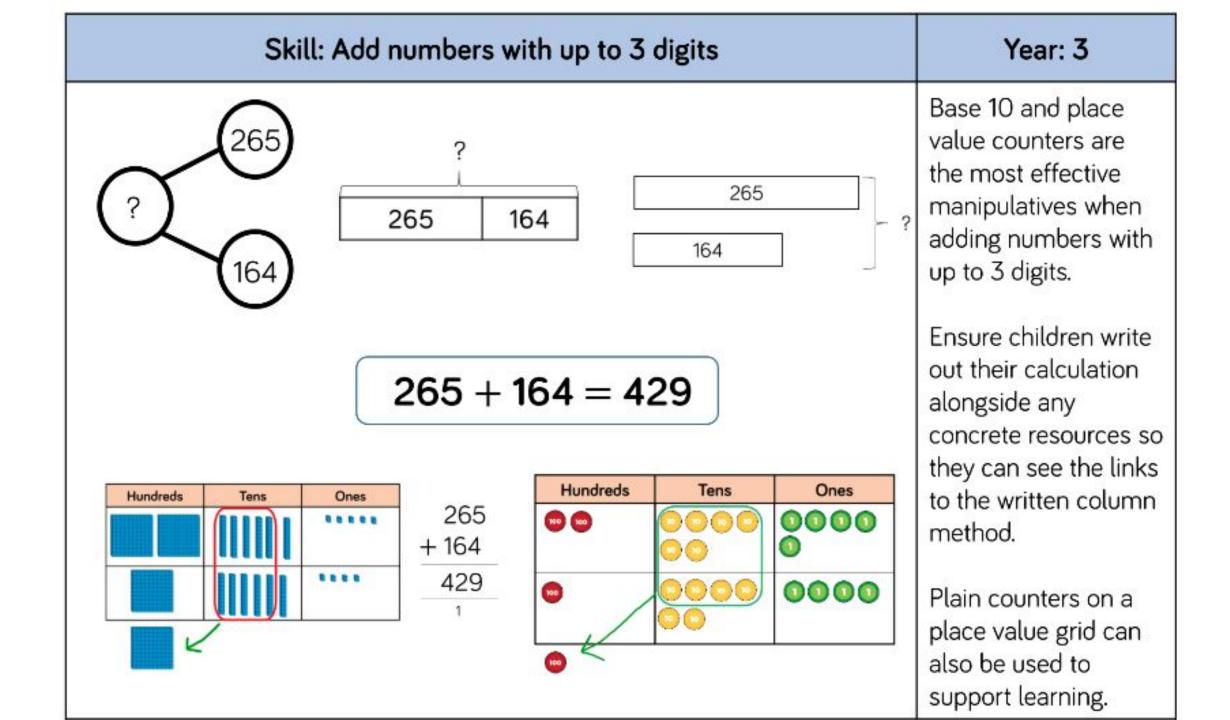
Vocabulary

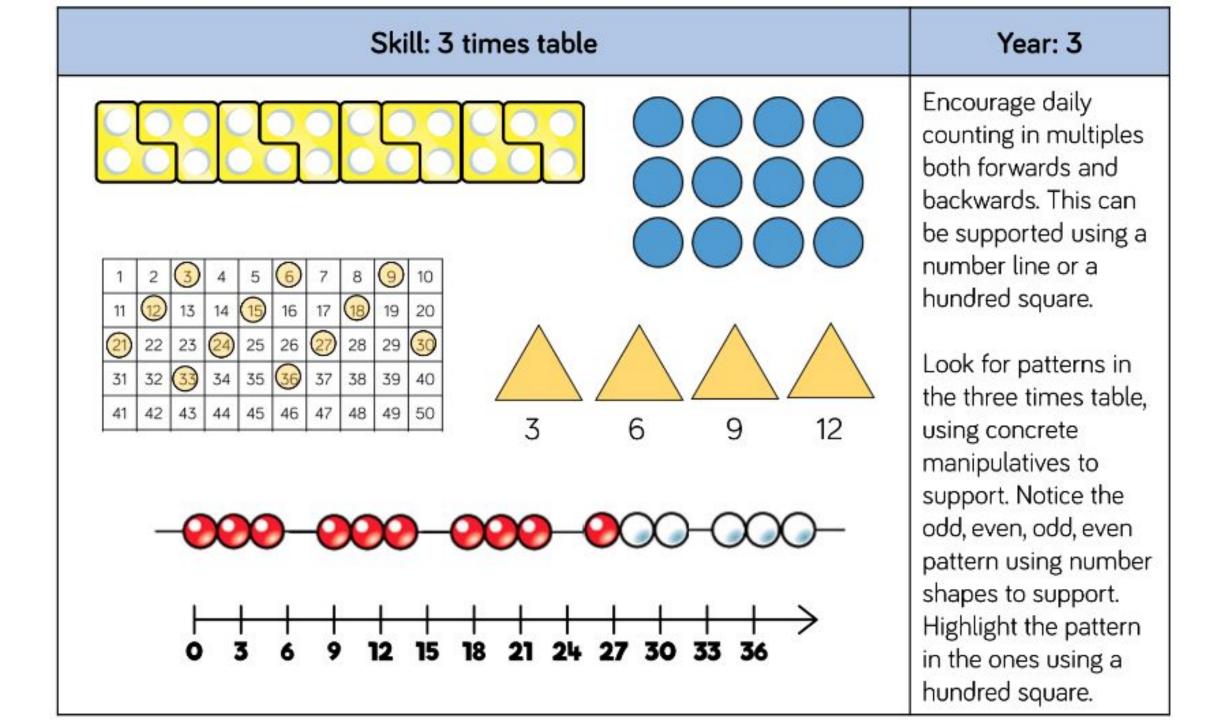
		\mathbf{X}		Other			
Add Addition Altogether Plus Total Sum of Calculate Combined More Commutative (numbers can be added in any order)	(obtuse, Perpendicular	Multiply Multiple times Double Array Groups Lots of Sets of Sets of Product n/greater than /acute/right) ; parallel, opposite chart, Venn diagram	Halve Group share Divide Division Remainder	Hundreds Tens Ones Partition Area Perimeter 2D & 3D shapes Numerator Denominator			

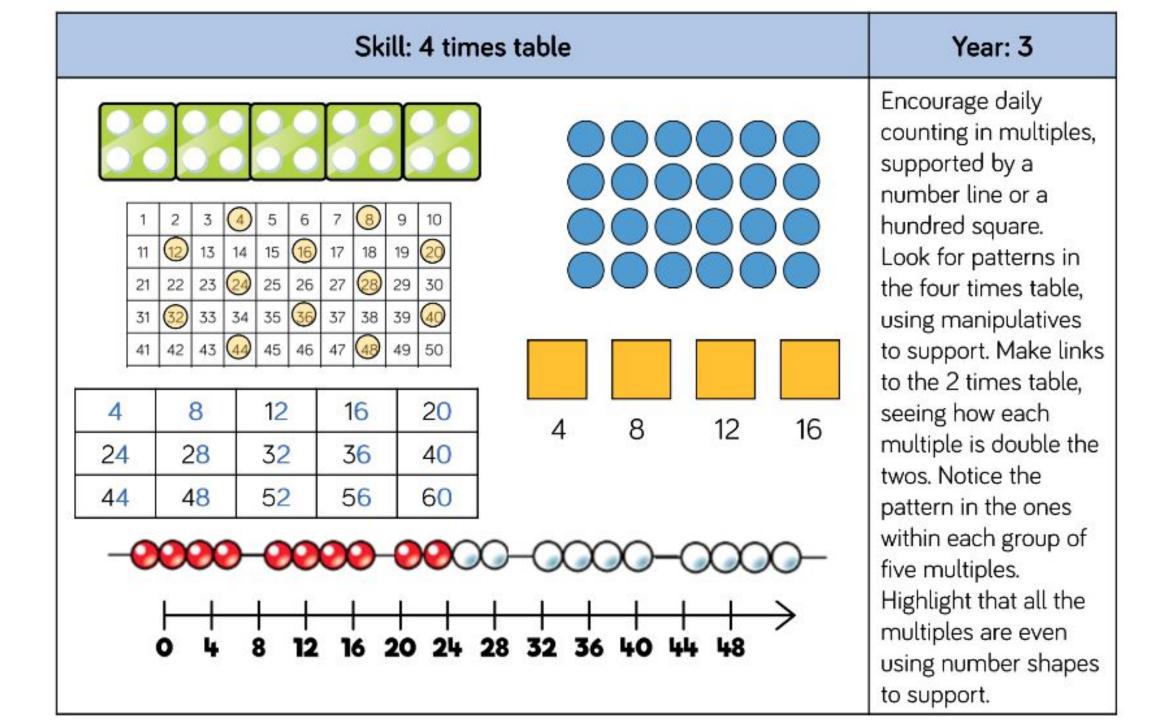
symmetry

Your turn at some of the key methods!





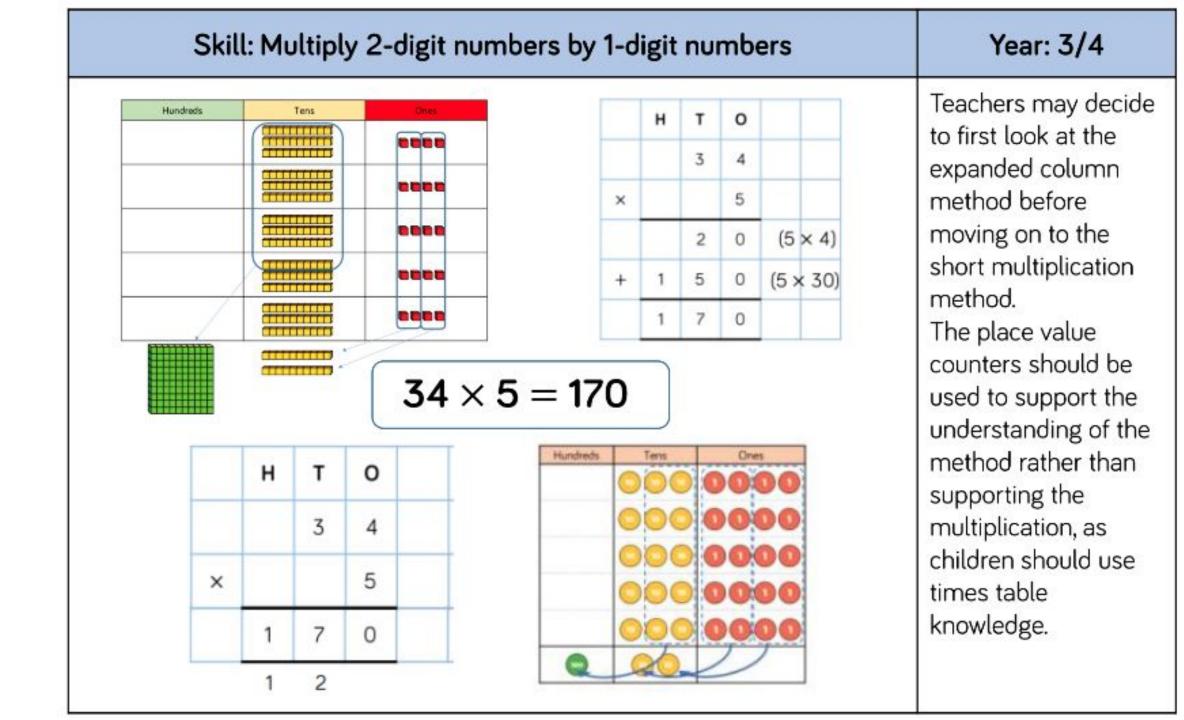


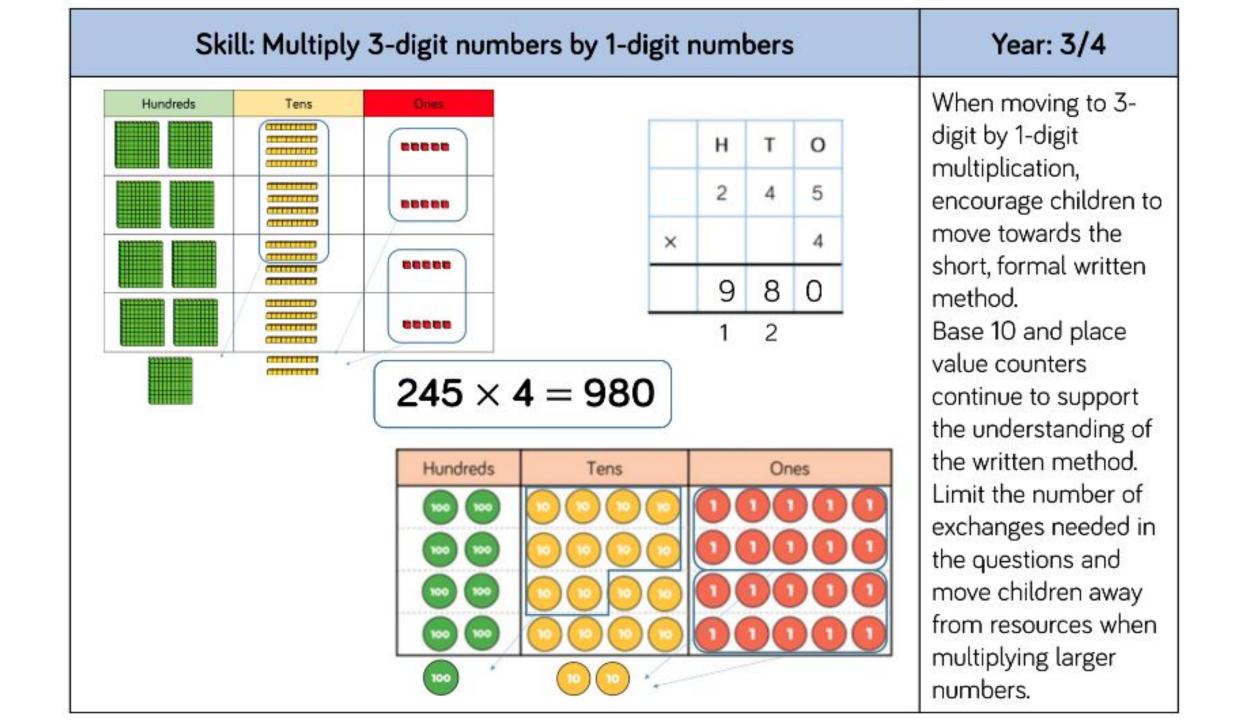


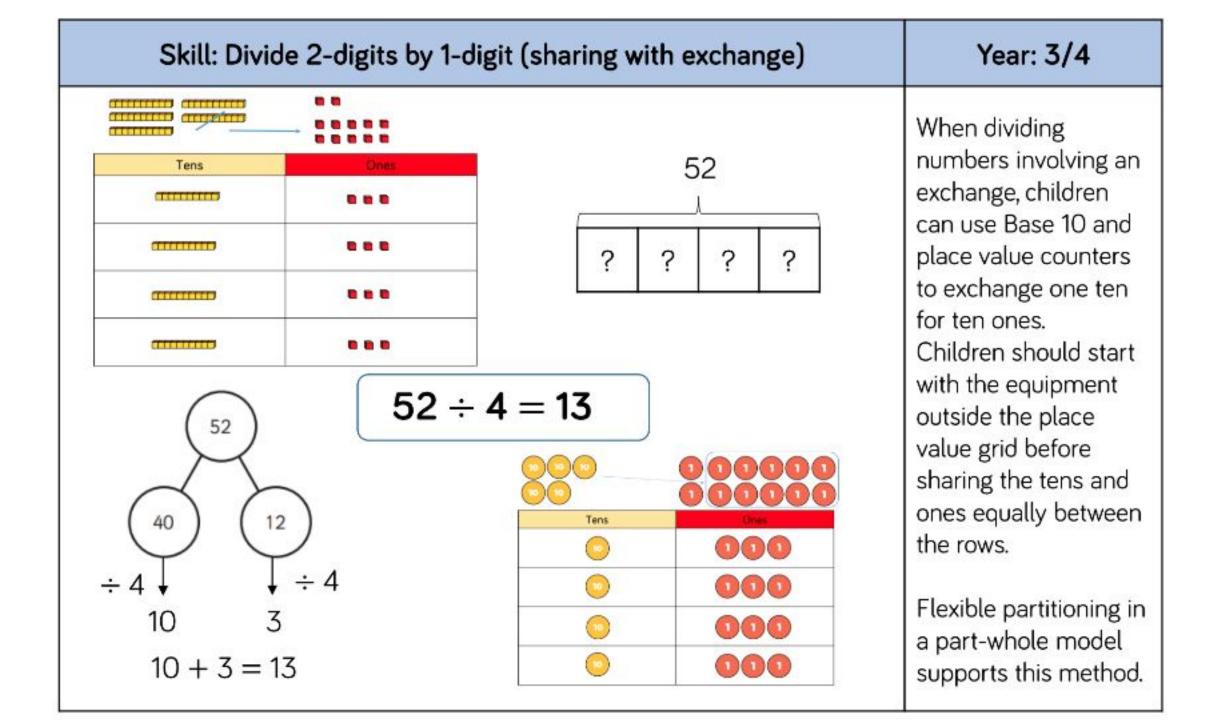
					1	2	3	4	5	6	7	8	9	10
					11	12	13	14	15	16	17	18	19	20
					21	22	23	24	25	26	27	28	29	30
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8	16		24	32	71	72	73	74	75	76	77	78	79	80
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8	16	24	32	40	91	92	93	94	95	96	97	98	99	100
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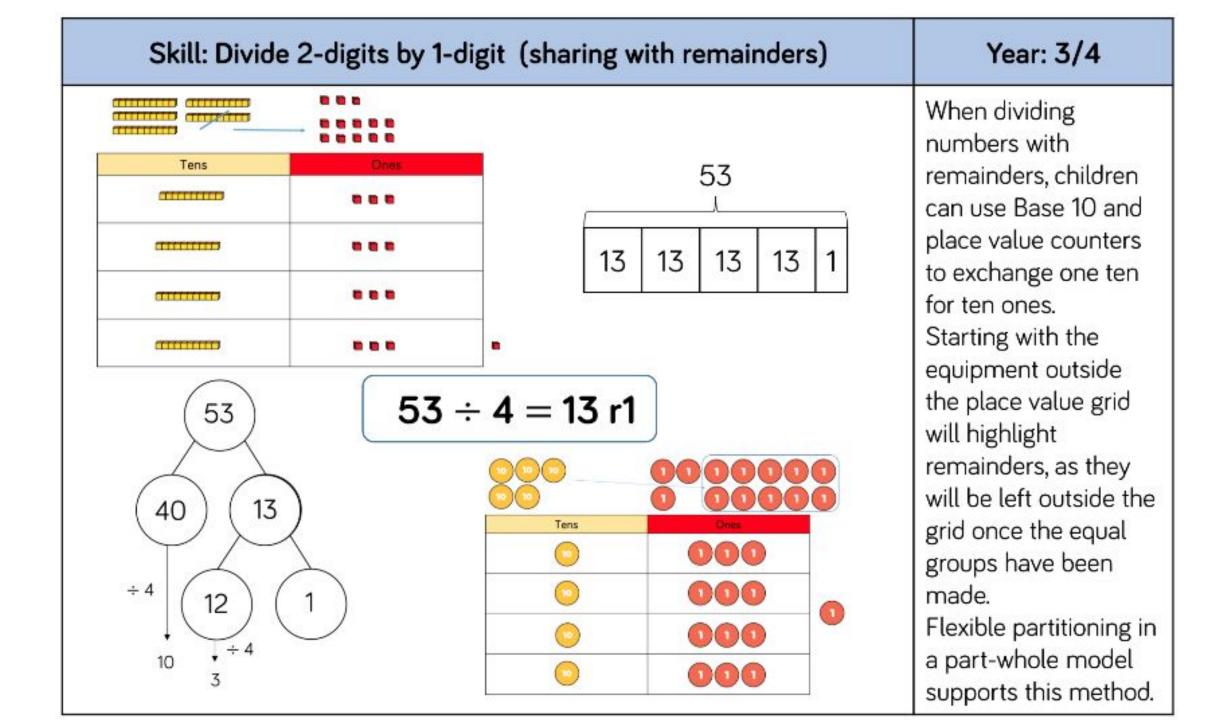
Encourage daily counting in multiples, supported by a number line or a hundred square. Look for patterns in the eight times table, using manipulatives to support. Make links to the 4 times table, seeing how each multiple is double the fours. Notice the pattern in the ones within each group of five multiples. Highlight that all the multiples are even using number shapes to support.

Year: 3



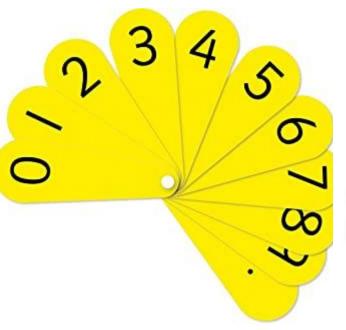


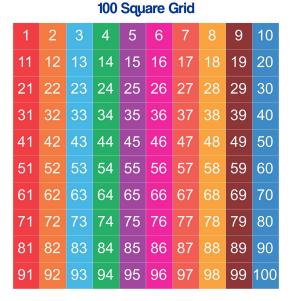


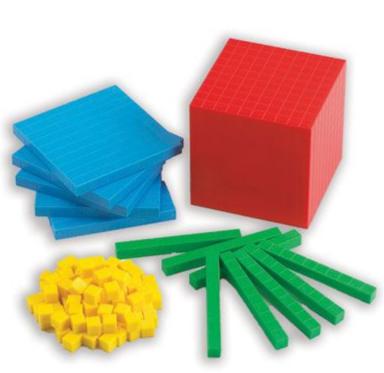


Equipment

- Number line
- Number square
- Dienes blocks
- Place value charts
- Number fans
- Digit cards
- Dice
- Money
- Counters
- Problem solving cards
- Protractor
- Weighing scales and weights
- Rulers
- Tape measures
- Beads
- Mini clocks
- 2D and 3D shapes









Websites and Apps MyMaths





- TT Rockstars website / app Maths Shed
- Topmarks e.g. Hit the Button
- MyMaths
- **BBC** Bitesize Mathsframe



