## THE ORATORY PREP SCHOOL

## Maths Information

## 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.



## 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



Your turn at some of the key methods!







| Skill：Divide 2－digits by 1－digit（sharing with exchange） |  |  |  | Year：3／4 |
| :---: | :---: | :---: | :---: | :---: |
|  |  | 52 |  | When dividing numbers involving an exchange，children can use Base 10 and place value counters to exchange one ten for ten ones． |
| Tens |  |  |  |  |
| （1）］rmm | －E |  |  |  |
| （1mmmmo | － e $^{\text {e }}$ | ？ | ？ |  |
| Immmm | Eee |  |  |  |
| ㅍummem |  | （1） 1101 <br> （1）（1） 1 （1） |  | Children should start with the equipment outside the place value grid before sharing the tens and ones equally between the rows． |
| $52 \div 4=13$ |  |  |  |  |
| $40$ |  |  |  |  |
|  |  | （1）11 |  |  |
| $\div 4$ |  | （1）13 |  | Flexible partitioning in a part－whole model supports this method． |
| $10$ |  | （1）11 |  |  |
| $10+3=13$ |  | （1）（1） |  |  |



## 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

100 Square Grid

| 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 |
| 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 |



## Websites and Apps 888 MyMaths

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


