## Marthemarticarl Languarge art OPS

Purpose of this information: To build students' understandings of mathematical words and concepts. To use the same language for mathematics across the school and at home.
At Overport Primary School, the teachers have compiled a list of mathematical terminology that is used throughout the school to enhance student learning. This list was created by the maths team to assist teachers, students as well as parents to speak a 'common language'. As our students progress from Foundation level to Year 6, the terms we use change and become more sophisticated, i.e. sharp angle becomes an acute angle. To bridge the gap and cement a solid foundation, teachers have spent some time in their daily maths sessions to develop mathematical language and to explicitly teach concepts in a variety of contexts. We believe it is important for our students to develop into mathematically capable students that can effectively use mathematics concepts and skills in a dynamic and evolving world.

| 4 processes | Addition - Finding the total, or sum, by combining two or more numbers. <br> Sultraction - Taking one number away from another, for example if you <br> have 5 apples and you subtract 2, you are left with 3. <br> Multiplication - The basic idea for multiplication is repeated addition e.g. <br> $5 \times 3=5+5+5=15$ <br> But as well as multiplying by whole numbers, we can also multinly by <br> fractions, decimals and more. <br> Division - Splitting into equal parts of groups. It is the result of "fair <br> sharing". |
| :--- | :--- |
| Algorithm |  |


| Numeral Identification | Reading and writing numbers. <br> Hindu-Aralic number system: OI 23456789 |
| :---: | :---: |
| Number word sequences and patterns | A list of numbers that follow a certain sequence or pattern. For example: 2, 4, 6, 8, 10 , starts at 2 and jumps by 2 every time. |
| Numerals | The symbol for numbers, i.e. 4, 78, 632. They are all numerals! |
| Ordering Numbers | Numbers can be ordered in increasing (uplascending) or decreasing (down/descending) in order of size (value). Can include whote numbers, fractions, decimals, etc. |
| Partitioning | Partitioning is a way of working out maths problems that involve large numbers by splitting them into smaller units so they're easier to work with. For example $79+34=113$ when partitioned is $70+30+9+4=100+13=113$ |
| Place Value | The value of a digit in a number and its corresponding column. e.g. ones, tens, hundredths, etc. |
| Renaming | In everyday use, numbers offen need to be renamed in a variety of ways. A number such as 68 can be viewed as 6 tens and 8 ones. |
| Structuring n | The crucial development of mentally adding and sultracting that is, not counting to get answers, like when you know 5 and 5 is 10 . |
| Whole numbers | Whole numbers are the natural numbers along with zero: for example 0, 1, 2, 3, 4 etc. |
| Worded problems | When a mathematical problem is asked through a question using a real life experience. |



