| Deepdale Community Primary School - Maths Knowledge Organiser |  |  |  |
| :--- | :--- | :---: | :---: |
| Topic: Counting and Place Value | Year 3 |  |  |


| Key Vocabulary: |
| :--- |
| hundreds |
| tens |
| units |
| ones |
| zero |
| place value |
| greater than |
| less than |
| order |
| more |
| less |
| partition |
| digit |
| significant digit |
| represent |


| Key learning: say and understand what each digit represents in a 3-digit |
| :--- |
| number |
| Example: |
| 347 means 3 hundreds (300) 4 tens (40) and 7 ones |

## Different representations of 587:



$$
\begin{aligned}
& \text { Key learning: count in multiples of } 4 \text { and } 8 \\
& \begin{array}{|l|l|l|l|l|l|l|l|l|l|l|}
\hline 0 & 4 & 8 & 12 & 16 & 20 & 24 & 28 & 32 & 36 & 40 \\
\hline
\end{array}
\end{aligned}
$$

| 0 | 8 | 16 | 24 | 32 | 40 | 48 | 56 | 64 | 72 | 80 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

Key learning: compare and order 3-digit numbers
Comparing Numbers:
Remember < means less than and > means greater than

- First look at the most significant digit (the larger the hundreds digit, the larger the number).

"462 is less than 648"
- If the hundreds digit is the same, then look at the tens digit (the larger the tens digit, the larger the number when the hundreds digit is the same).

$$
\begin{aligned}
& 873 \text { and } 846 \text { so } 873>846 \\
& \text { "873 is greater than } 846 \text { " }
\end{aligned}
$$

Ordering Numbers:


## 123



Key learning: count in multiples of 50 and 100

| 0 | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 0 100 200 300 400 500 600 700 800 900 <br> 1000          |  |  |  |  |  |  |  |  |  |  |

