Prior Knowledge (Y4 Unit I, 2)

- Recognise the place value of each digit
in a four-digit number
- Round any number to the nearest 10,

100 or 1,000

- Count in multiples of $6,7,9,25$ and 1,000
- Oxder and compare numbers beyond

1,000 (up to 10,000 on a number line)

- Read roman numerals to 100
- Find 1,000 more or less than a given
number
- Count backwards through zero to include negative numbers

Structures and Representations

| Place Value Grid |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| TTh | Th | H |  | T | $\bigcirc$ |
| $\Theta \ominus \ominus$ | $\bigcirc \bigcirc$ | $\bigcirc \odot \bigcirc \bigcirc$ | $\odot$ |  | $\bigcirc \bigcirc$ |

Part-Whole Models



| Negative | umbers |
| :---: | :---: |
|  | You'll most often use negative numbers when looking at temperature. Temperatures below zero will go into negative numbers. |


| Counting in Powers of 10 |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Counting in 10s |  |  |  |  |  | Counting in 100s |  |  |  |  |  |
| 365 | 375 | 385 | 395 | 405 | 415 | 2841 | 2941 | 3041 | 3141 | 3241 | 3341 |
| The tens increase until 9 tens becomes one more hundred and 0 tens. |  |  |  |  |  | The hundreds increase until 9 hundreds becomes one more thousand and 0 hundreds. |  |  |  |  |  |
| Counting in 10 000s |  |  |  |  |  | Counting in 100 000s |  |  |  |  |  |
| 276 |  | 286109 | 2961 |  | 109 | 2972 | 51 | 3072151 | 3172 |  | 72151 |
| The ten thousands increase until 9 ten thousands become one more hundred thousand and 0 ten thousands. |  |  |  |  |  | The hundred thousands increase until 9 hundred thousands becomes one more million and 0 hundred thousands. |  |  |  |  |  |


| Rounding |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rounding to the nearest 10 |  |  |  |  |  |  |  |  |  |  |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| round down round up <br> Rounding to the nearest 100000  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| 200000 $\sim 249999$ 250000 |  |  |  |  |  |  |  |  |  |  |
| round down round up |  |  |  |  |  |  |  |  |  |  |



## Roman Numerals

|  | $I=1$ | $I I=2$ | III $=3$ |  |
| :--- | :--- | :--- | :--- | :--- |
| $\mathrm{IV}=4$ | $\mathrm{~V}=5$ | $\mathrm{VI}=6$ | VII $=7$ | VIII $=8$ |
| $\mathrm{IX}=9$ | $\mathrm{X}=10$ | $\mathrm{XI}=11$ | $\mathrm{XX}=20$ | $\mathrm{XXX}=30$ |
| $\mathrm{XL}=40$ | $\mathrm{~L}=50$ | $\mathrm{LX}=60$ | $\mathrm{LXX}=70$ | $\mathrm{LXXX}=80$ |
| $\mathrm{XC}=90$ | $\mathrm{C}=100$ | $\mathrm{CL}=150$ | $\mathrm{CC}=200$ | $\mathrm{CCC}=300$ |
| $\mathrm{CD}=400$ | $\mathrm{D}=500$ | $\mathrm{DC}=600$ | $\mathrm{DCC}=700$ | $\mathrm{DCCC}=800$ |
| $\mathrm{CM}=900$ | $\mathrm{M}=1000$ | $\mathrm{MC}=1100$ | $\mathrm{MD}=1500$ | $\mathrm{MM}=2000$ |

