

Year 5 Number and Place Value Knowledge Organiser.

| Number and Place Value | | Knowledge Organiser | | | | | | | | | | | | | | | |
|---|--|--|--|---------|---------|---------|--|-----|--|-----------|-----------|-----------|-----------|------|------|------|------|
| Key Vocabulary | Compare and Order | | | | | | | | | | | | | | | | |
| millions | equals | greater than | less than | | | | | | | | | | | | | | |
| thousands | $26 + 38 = 8 \times 8$ | $23\ 873 > 8256$ | $901\ 198 < 1\ 091\ 098$ | | | | | | | | | | | | | | |
| hundreds | Both calculations have the value 64. | The number on the left has 2 ten thousands and the number on the right has 0 ten thousands. | The number on the right has 1 million and the number on the left has 0 millions. | | | | | | | | | | | | | | |
| tens | | | | | | | | | | | | | | | | | |
| ones | | | | | | | | | | | | | | | | | |
| zero | | | | | | | | | | | | | | | | | |
| place value | smallest | <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid orange; padding: 2px 10px; background-color: #f4a460;">898</div> <div style="border: 1px solid orange; padding: 2px 10px; background-color: #f4a460;">6735</div> <div style="border: 1px solid orange; padding: 2px 10px; background-color: #f4a460;">6835</div> <div style="border: 1px solid orange; padding: 2px 10px; background-color: #f4a460;">7019</div> <div style="border: 1px solid orange; padding: 2px 10px; background-color: #f4a460;">9002</div> <div style="border: 1px solid orange; padding: 2px 10px; background-color: #f4a460;">11 235</div> </div> | greatest | | | | | | | | | | | | | | |
| Negative Numbers | | | | | | | | | | | | | | | | | |
| greater than | | | | | | | | | | | | | | | | | |
| less than | | | | | | | | | | | | | | | | | |
| order | | | | | | | | | | | | | | | | | |
| round | | | | | | | | | | | | | | | | | |
| rounded | | | | | | | | | | | | | | | | | |
| Counting in Powers of 10 | | | | | | | | | | | | | | | | | |
| negative number | Counting in 10s | | Counting in 100s | | | | | | | | | | | | | | |
| partition | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px 10px; background-color: #f4a460;">365</td> <td style="padding: 2px 10px; background-color: #f4a460;">375</td> <td style="padding: 2px 10px; background-color: #f4a460;">385</td> <td style="padding: 2px 10px; background-color: #f4a460;">395</td> <td style="padding: 2px 10px; background-color: #f4a460;">405</td> <td style="padding: 2px 10px; background-color: #f4a460;">415</td> </tr> </table> | | 365 | 375 | 385 | 395 | 405 | 415 | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px 10px; background-color: #f4a460;">2841</td> <td style="padding: 2px 10px; background-color: #f4a460;">2941</td> <td style="padding: 2px 10px; background-color: #f4a460;">3041</td> <td style="padding: 2px 10px; background-color: #f4a460;">3141</td> <td style="padding: 2px 10px; background-color: #f4a460;">3241</td> <td style="padding: 2px 10px; background-color: #f4a460;">3341</td> </tr> </table> | | | 2841 | 2941 | 3041 | 3141 | 3241 | 3341 |
| 365 | 375 | 385 | 395 | 405 | 415 | | | | | | | | | | | | |
| 2841 | 2941 | 3041 | 3141 | 3241 | 3341 | | | | | | | | | | | | |
| digit | 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. | | | | | | | | | | | | | | |
| interval | | | | | | | | | | | | | | | | | |
| sequence | | | | | | | | | | | | | | | | | |
| linear sequence | Counting in 10 000s | | Counting in 100 000s | | | | | | | | | | | | | | |
| | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px 10px; background-color: #f4a460;">276 109</td> <td style="padding: 2px 10px; background-color: #f4a460;">286 109</td> <td style="padding: 2px 10px; background-color: #f4a460;">296 109</td> <td style="padding: 2px 10px; background-color: #f4a460;">306 109</td> </tr> </table> | | 276 109 | 286 109 | 296 109 | 306 109 | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px 10px; background-color: #f4a460;">2 972 151</td> <td style="padding: 2px 10px; background-color: #f4a460;">3 072 151</td> <td style="padding: 2px 10px; background-color: #f4a460;">3 172 151</td> <td style="padding: 2px 10px; background-color: #f4a460;">3 272 151</td> </tr> </table> | | | 2 972 151 | 3 072 151 | 3 172 151 | 3 272 151 | | | | |
| 276 109 | 286 109 | 296 109 | 306 109 | | | | | | | | | | | | | | |
| 2 972 151 | 3 072 151 | 3 172 151 | 3 272 151 | | | | | | | | | | | | | | |
| | 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. | | | | | | | | | | | | | | |
| visit twinkl.com | | | | | | | | | | | | | | | | | |

Number and Place Value

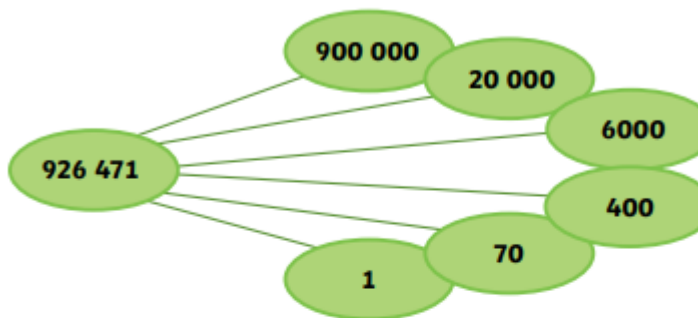
Knowledge Organiser

Numbers to One Million

926 471

| Hundred Thousands | Ten Thousands | Thousands | Hundreds | Tens | Ones |
|-------------------|---------------|-----------|----------|------|------|
| 9 | 2 | 6 | 4 | 7 | 1 |

nine hundred and twenty-six thousand, four hundred and seventy-one



Roman Numerals

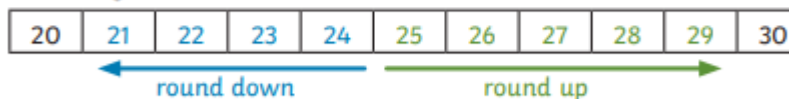
| | | | | |
|----------|----------|-----------|-----------|------------|
| | I = 1 | II = 2 | III = 3 | |
| IV = 4 | V = 5 | VI = 6 | VII = 7 | VIII = 8 |
| IX = 9 | X = 10 | XI = 11 | XX = 20 | XXX = 30 |
| XL = 40 | L = 50 | LX = 60 | LXX = 70 | LXXX = 80 |
| XC = 90 | C = 100 | CL = 150 | CC = 200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



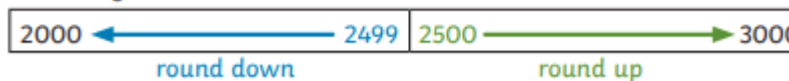
CCXLVIII = 248 DCCLXXXIV = 784 MMXIX = 2019

Rounding

Rounding to the nearest 10



Rounding to the nearest 1000



Rounding to the nearest 100 000

