|  |  |  |
| --- | --- | --- |
| Term | Definition | Example |
| Lots of, groups of | Equal groups of amounts  |  7 lots of 5 = 35 |
| X, times, multiply, multiplied by | Combining sets of equal groupsRepeated addition | 5 + 5 + 5 + 5 + 5 + 5 + 5 = 357 lots of 5 = 357 x 5 = 5 |
| Repeated addition | Counting equal groups in 2s, 5s or tens | 5 + 5 + 5 + 5 = 20 |
| Product | The result of multiplying two numbers together | 4 X 8 = 32product |
| Array | Rectangular arrangements to show equal groups |  |

|  |  |  |
| --- | --- | --- |
| Term | Definition | Example |
| Column | Objects lined top to bottom. Objects lines form left to right |  Column. Row |
| Row |
| Double | Total of two sets of the same amount | Double 4 |
| Half | Divide the amount into two equal sets. | Half of 8 |
| Multiple | What is created after multiplying the number by a whole number. | A picture containing box and whisker chart  Description automatically generated |
| Factor | What is multiplied to get the number |
| **Instructional Vocabulary** |
| Carry on, Continue, Repeat | Describe the pattern, describe the rule |
| What comes next? Predict | What would we try next? How did you work it out? |
| Pattern, puzzle, | Number sentence, equation |
| Calculation, calculate, mental calculation | Sign, symbol, equation |

**Multiplication – Year Four**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Previous tables learnt so far | 2 x table 5 x table3 x table 6 x table 4 x table 8 x table |  | 9 x table | 1 x 9 = 9 7 x 9= 632 x 9 = 18 8 x 9= 723 x 9 = 27 9 x 9= 814 x 9 = 36 10 x 9 = 905 x 9 = 45 11 x 9 = 996 x 9 = 54 12 x 9= 108 |
| 10 x bigger | Understanding of place value to make numbers ten times bigger. By multiplying by 10 the value of digits increases by 10.  |  | 11 x table | 1 x 11 = 11 7 x 11 = 772 x 11 = 22 8 x 11 = 883 x 11 = 33 9 x 11 = 994 x 11 = 44 10 x 11 = 1105 x 11 = 55 11 x 11 = 1216 x 11 = 66 12 x 11 = 132 |
| 7 x table  | 1 x 7= 7 7 x 7= 492 x 7 = 14 8 x 7= 563 x 7 = 21 9 x 7= 634 x 7 = 28 10 x 7 = 705 x 7 = 35 11 x 7 = 776 x 7 = 42 12 x 7 = 84 |  | 12 x table | 1 x 12 = 12 7 x 12 = 842 x 12 = 24 8 x 12 = 963 x 12 = 36 9 x 12 = 1084 x 12 = 48 10 x 12 = 1205 x 12 = 60 11 x 12 = 1326 x 12 = 72 12 x 12 = 144 |

**Essential Knowledge**

