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| **Number Knowledge** |
|  | Level 1 | Level 2 | Level 3 | Level 4 |
| After 1 year | After 2 years | After 3 years | After 4 years | After 5 years | After 6 years | After 7 years | After 8 years |
| Number Range*at least to* | **20** | **100s** | **1000s** | **10 000s** | **100 000s** & **0.1** | **1 000 000** & **0.01** | **>1 000 000 and < 0.01** |
| Read & write*Represent, read and record numbers* | Seventeen(17) | One hundred and twenty-five(125) | Two thousand and twenty-five(2025) | Twenty thousand, four hundred & five(20,405) | 3 and 4 tenths(3.4) | Ten and fifteen hundredths(10.15) | millions and billionsthousandths, millionths |
| Order & compare*Numbers in the range ..* | 0-20 | 0-100 | 0-1,000 | 0-100,000 | 0-1,000,000 | tenths & hundredths | tenths, hundredths and thousandths |
| Round*Round numbers to the nearest ..* |  | ten | hundred | thousand | million | tenths & hundredths | tenths, hundredths and thousandths |
| Name & Expand*Name, model and expand* | **17**10+7 | **125**100+20+51hundred, 2 tens and 5 ones | **2,025**2,000+20+55 means 5 ones | **20,405**20,000+400+54 means 4 hundreds | **175 525**100,000+70, 000+5,000+500+20+52 means 2 tens | **12.5**10 + 2 + 0.51 ten, 2 ones, 5 tenths1 means 1 ten | 8753 = 8 x 103 + 7 x 102 + 5 x 101 + 3 x 1002. 45 = 2 x 100 + 4 x 10-1 + 5 x 10-2 |
| Nesting*Number can have different names without changing the value. (includes unitising and re-unitising – 30 ones is 3 tens)* | **17**1 ten, 7 ones | **125**12 hundreds and 5 ones**100** is10 tens  | **656**65 tens and 6 ones**1,000** is10 hundreds *or*1 thousand | **20,405**20 thousands and 405 ones *or***10,000** is100 hundreds *or*10 thousands | **175,525**17 tens thousands, 50 hundreds, 2 tens, 5 ones **100,000** is 1,000 hundreds *or*100 thousands | **12.5**1 ten and 25 tenths**1.00** is10 tenths, 100 hundredths | **2.47**2 whole and 47 hundredths**10 000 000** is10 000 thousands |
| Renaming*Numbers can be rearranged in terms of place value without changing the value*  |  | **125** is11 tens and 15 ones | **3250** is30 hundreds and 250 ones | **12 505** is11 ten thousands and 1505 ones | **125 475** is124 thousands and 1475 ones | **1.2** is 11 tenths and10 hundredths | **10.75** is107 tenths and 5 hundredths*or*1 ten and 75 hundredths |
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| **Number strategies** |
|  | **Up to at least 100** | **Up to at least 1000** | **Up to at least 100 000 and 0.1, 0.01** | **Up to 1 000 000 and < 0.01** |
| Place Value Addition & Subtraction | The students see 10 as a complete count composed of 10 ones.The student solves addition and subtraction tasks by incrementing by tens - 13,23,43… | **Standard Partitioning** 43 + 25 = (40+20) + (3+5) =  60 + 8 = 68**Rounding and Compensation** 39 + 26 = (39+1) + (26-1) 40 + 25 = 65**Back through Ten**84 - 8 as 84 - 4 - 4 84 - 4 = 8080 - 4 = 76 | **Rounding and Compensating**630 - 390 = 630 - (390 + 10) = 630 - 400 = 230 230 + 10 = 240923 – 587 = 923 – 600 + 13**Standard Place Value Partitioning**604 – 388 = 60 tens – 38 tens – 1 one**Know sequences**4.7, 4.8, 4.9, \_\_ with no calculation | **Estimate calculations**37 + 41 + 40 + 38 is about 4 x 40**Standard PV Partitioning**4.2 – 2.68 is decomposed to difference between 420 hundredths and 268 hundredths |
| Place ValueMultiplication & Division | The students:* use skip counting

(in 10’s) to solve multiplication tasks. | The students:* can skip count in 100s
* recall 10x multiplication facts and corresponding division facts
 | Understands Base 10 – 10 of these is one of these as digits move right or left4200 is 420 x 10 with no calculating4.3 is 43 ÷ 10 with no calculating**Rounding and Compensating** 9 x 6 is(10 x 6) = 6060 - (1 x 6) = 54The students:* recall basic facts up to 10 times tables and corresponding division facts

**Know multiples of 10,100,1000**1250, 2250, 3250, \_\_\_\_\_ with no calculation701 000 is 691 000 if 10 000 is taken from it. | Linking place value understanding to distributive law6 x 13 = 6(10 +3) = 6 x 10 + 6 x 3 = 78Use multiplicative understanding of pv 1.6 x 0.4 = 16 x 4 ÷ 100 = 0.6424 ÷ 3 x 10 = 80Link to percentages/fractions40% of 56 = 56 ÷ 10 x 4125/1000 = 0.125 |