

PLACE VALUE KNOWLEDGE

Stage One	Stage Two & Three	Stage Four	Stage Five
<ul style="list-style-type: none"> Instantly recognise patterns to five, including finger patterns 	<ul style="list-style-type: none"> Knows groupings within 5, e.g. 2 and 3, 4 and 1 Knows groupings with 5, e.g. 5 and 1, 5 and 3 Knows groupings within 10, e.g. 5 and 5, 4 and 6 Instantly recognise patterns to ten, including finger and tens frame patterns 	<ul style="list-style-type: none"> Knows groupings with 10, e.g. 10 and 2 and the pattern of teens Knows groupings within 20 e.g. 12 and 8, 6 and 14 Recall the number of tens within decades 	<ul style="list-style-type: none"> Recalls groupings within 100.e.g. 49 and 51, particularly multiples of 5 e.g. 25 and 75 Recalls groupings of two that are in numbers to 20. e.g. 8 groups of 2 in 17 Recalls groupings of five that are in numbers to 50.e.g. 9 groups of 5 in 47 Recall the number of groupings of tens that can be made from a three digit number.e.g. tens in 763 is 76 Knows the number of hundreds in centuries and thousands e.g. hundreds in 800 is 8, and in 4000 is 40 Round three digit whole numbers to the nearest 10 or hundred

Stage Six	Stage Seven	Stage Eight
<ul style="list-style-type: none"> • Knows groupings within 1000 e.g. 240 and 760, 498 and 502 • Knows groupings of 2 in numbers to 100 and the resulting remainders e.g. twos in 53 is 26 with 1 remainder • Knows groupings of 3 in numbers to 100 and the resulting remainders e.g. threes in 17 is 5 with 2 remainder • Knows groupings of 5 in numbers to 100 and the resulting remainders e.g. fives in 48 is 9 with 3 remainder • Knows groupings of 10 that can be made from a four digit number e.g. tens in 4562 is 456 with 2 remainder • Knows groupings of 100 that can be made from a four digit number e.g. hundreds in 7894 is 78 with 94 remainder • Knows tenths in decimals to two places e.g. tenths in 7.2 is 72 • Knows hundredths in decimals to two places e.g. tenths in 2.82 is 282 • Rounds whole numbers to nearest 10 • Rounds whole numbers to nearest 100 • Rounds whole numbers to nearest 1000 • Rounds decimals with up to two decimal places to the nearest whole number 	<ul style="list-style-type: none"> • Knows groupings of 4 in numbers to 100 and the resulting remainder e.g. fours in 53 is 13 with 1 remainder • Knows groupings of 6 in numbers to 100 and the resulting remainder e.g. sixes in 53 is 8 with 5 remainder • Knows groupings of 7 in numbers to 100 and the resulting remainder e.g. sevens in 53 is 7 with 4 remainder • Knows groupings of 8 in numbers to 100 and the resulting remainder e.g. eights in 53 is 8 with 5 remainder • Knows groupings of 9 in numbers to 100 and the resulting remainder e.g. nines in 53 is 5 with 8 remainder • Knows groupings of 10 that can be made from a number of up to seven digits e.g. tens in 47562 is 4756 • Knows groupings of 100 that can be made from a number of up to seven digits e.g. hundreds in 782894 is 7828 • Knows groupings of 1000 that can be made from a number of up to seven digits e.g. thousandths in 2785671 is 2785 • Knows equivalent fractions for halves with denominators up to 100 and 1000 • Knows equivalent fractions for thirds with denominators up to 100 and 1000 • Knows equivalent fractions for quarters with denominators up to 100 and 1000 • Knows equivalent fractions for fifths with denominators up to 100 and 1000 • Knows equivalent fractions for tenths with denominators up to 100 and 1000 • Rounds whole numbers and decimals with up to 2 places to the nearest whole number or tenth e.g. 6.49 to 6.5 	<ul style="list-style-type: none"> • Knows the number of tenths that are in a number of up to three decimal places • Knows the number of hundredths that are in a number of up to three decimal places • Knows the number of one-thousandths that are in a number of up to three decimal places • Knows what happens when a whole number or decimal is multiplied by a power of 10 • Rounds decimals to the nearest 100, 10, 1, tenth, or hundredth