Rounding						
Keywords:	Rounding / decimal place / sig	nificant figure / estimate /				
Definition / Description:	Rounding : the process of adjusting a number to make it more convenient but still keeping its value as close to what it was.	Decimal Place: The position of a digit after a decimal point	Significant figure: the size of the numb the place value char the physical size of individual number	refers to Estimate: To give an approximation of an actual value the		
Knowledge points:	Rounding rules The digit to the right of the digit you are rounding is the deciding digit. If the deciding digit is 5 or above the digit you round up. If the deciding digit is 4 or below the digit you are rounding remains the same	Rounding to the nearest units / ten / hundred etc This refers to the column that is to be rounded within the place value chart. Rounding rules are applied to the deciding digit	Rounding to a given number of decimal places A decimal place refers to the number of digits to the right of the decimal point	Rounding to a given number of significant figures The first significant figure of a number is the first digit which is not a zero. The second / third and fourth significant figures are the digits immediately following the first significant figure / including zeros.		
Knowledge point examples:	1) Round 48 to the nearest 10 4 is in the tens 48 is the DECIDING DIGIT (If the deciding digit is greater than or equal to 5, we round up) So 48 is rounded to 50. 4.6 is closer to 5 so if we rounded 4.6 to the nearest whole number, the answer would be 5 14.67 is closer to 15 so if we rounded 14.67 to the nearest whole number, the answer would be 15	hundrads tens units is the deciding digit 4 6 7 cor 257 Identify the column where you are being asked to round We are being asked to round to the nearest hundred look at the digit and column to the right of 4 - the tens column The tens digit is ≥ 5, so we must round up 467 to the nearest ten is 500 400 467 400 467 500 500 so if we rounded 467 to the nearest hundred, the answer would be 500	stip structure set stip set st	For example, This is the This is the For example, This is the This is the Rounding we $5 4 7 _{1}^{2}$ 5 or bigg 4 - 5	ample, 4 890 351 the first significant figur 0.0007506 the first significant figur ample, 4 890 351 the forth significant figur 0.0007506 the third significant figur thole numbers to 3 s.f 8 3 7 9 8 the forth significant figur thole numbers to 3 s.f 8 3 7 9 8 the significant figur thole numbers to 3 s.f 8 3 7 9 8 the significant figur thole numbers to 3 s.f 8 3 7 9 8 the significant figur thole numbers to 3 s.f 8 3 7 9 8 the significant figur thole numbers to 3 s.f 8 3 7 9 8 the significant figur thole numbers to 3 s.f 8 3 7 9 8 the significant figur thole numbers to 3 s.f 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	re e 9 7 4 9 7 8 5 or bigger ? 4 Yes 975 000
Linked Knowledge Maps	Multiples, Primes, Factors / Per	rcentages / Ratio and scale / Est	imation and Bounds / F	Place Value		