

Year 6 Analyse and interpret data using spreadsheets Knowledge Organiser

Key words and prior learning from Year 5

Spreadsheet – displays data arranged in rows and columns of a grid. The data can be manipulated and used in calculations known as formulae

Cell address – the alphanumeric value used to identify a specific cell in a spreadsheet

Column – is a vertical series of cells in a spreadsheet

Row – is a horizontal series of cells in a spreadsheet

Autofill – a feature that allows you to create entire columns or rows of data which are based on the values from other cells

Formula – tells the computer what mathematical operation to perform upon a specific value

Labels – text within a cell, usually describing data in the rows or columns surrounding it

Decimal place – the position of a digit to the right of a decimal point

Line graph – is used to display information which changes over time. It is plotted on a graph as a series of points joined with straight line

=SUM – a formula that adds all the numbers in a range of cells

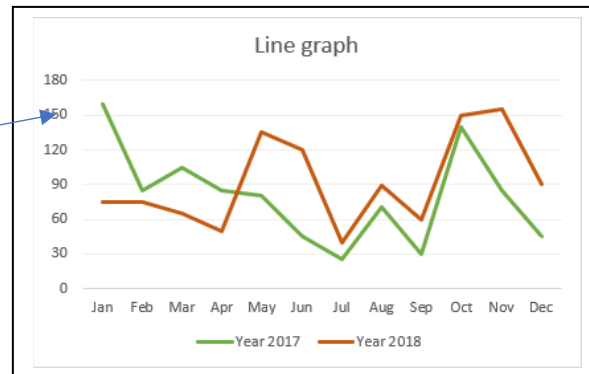
=AVERAGE – a formula used to find the average of the numbers in a range of cells

=MIN – a formula used to find the minimum value in a range of cells

=MAX – a formula used to find the largest value in a range of cells

	A	B	C	D	E
1	Name	Popular	Salary \$k	Bonus \$k	Gross \$k
2	Spider Man	No	138.0	Nil	138.0
3	Ben Ten	Yes	125.0	Nil	125.0
4	Bob Builder	No	79.0	Nil	79.0
5	Iggle Piggie	Yes	57.0	5.7	62.7
6	Bat Man	No	91.0	Nil	91.0
7	Bumble Bee	No	68.0	Nil	68.0
8	Makka Pakka	Yes	32.0	3.2	35.2
9	Mr Maker	Yes	49.0	4.9	53.9
10	Elmo	Yes	113.0	Nil	113.0
11	Cookie Monster	No	83.0	Nil	83.0
12	Jeff Wiggle	Yes	140.0	Nil	140.0
14	Total		975.0	13.8	988.8

=B2+B3+B4+B5+B6



Who uses skills like these?



- Accountants to keep track of profit and losses
- Shops to record sales
- Scientists when experimenting and changing variables to predict an outcome

Key Learning

Self-Assessment

	Self-Assessment		
	WT	A	WA
I can create simple formulae to perform calculations in a spreadsheet			
I can create formulae to find the min and max scores in a game			
I understand the importance of expressing formulae correctly			
I can create formulae to carry out each one of the four basic mathematical functions			
I understand which variables to change and can predict what the effect of changing the variable will be to answer 'what if?' questions			
I can use the editing tools to improve the legibility of a spreadsheet table and display decimal places			
I can design and create a functional spreadsheet that includes working formulae, to answer a real-life problem			
I can abstract information fit for purpose and use it in a spreadsheet to model answers to the problems			

New key words we will use in year 6 'Analyse and interpret data using spreadsheets'

Variable – a value which can be changed

'What if' questions – questions that are asked to explore different results within a model

Model – a program that has been developed to copy the way a system works in real life to predict what is likely to happen

Formatting – to change the appearance or presentation

Abstract – to identify the important parts of information needed to solve a problem