7567 Formative Assessments

Formative Assessment 1

The standard width of a column is 8,43 characters.



Excel offers two methods of changing the column width: through the format menu or by using the mouse.

Point the mouse at the vertical line to the right of the column header until it turns into a **double-headed arrow**, then click and drag the mouse to the right or left

Using the Format menu: Select column A, or any cell from column A and select the **Format**, **Column** menu and click on width. Enter 15 in the dialogue box to increase the width of column C and click **OK**. The width will have increased on your screen.

  



To change the column width of the entire sheet, Click the Select All button, in the top left hand corner of the worksheet, where the rows and columns meet. Select the format, column menu; enter the desired width and click OK. The column width for the entire sheet will change

Exercises: Row Height



Format menu: **Select** the Row that you want to change, select the **Format**, **Row** menu and click height. Enter the height you require into the dialogue box and click **OK**.



Using the Mouse: **Point** the mouse to the vertical line at the bottom edge of the row heading until it turns into a double-headed arrow, then click and drag the vertical line to the desired height.

To change the row height of the entire sheet, Click the **Select All button**, in the top left hand corner of the worksheet, where the rows and columns meet. Select the format, row menu; enter the desired height and click OK. The row height for the entire sheet will change.

Formative Assessment 2

* Point the mouse at the vertical line to the right of the column header of column B until it turns into a double-headed arrow, then click and drag the mouse to the right until the text in the cells is fully visible.
* Select Row 1. Select the Format, Row menu and click height. Enter a height of 25 in the box and click OK. The height of the row will increase.

Enter Data Into Cells

Entering data into cells: When you type numbers into a cell, they are automatically aligned to the right. If the number is too long, Excel will automatically widen the column. To enter a negative amount, either type a minus (-) before the amount or enclose it within a parentheses (1234).



* Now click in Cell A1 to select it, then type 500 and press enter. In cell A2 type (minus) –250 and press the down arrow to select cell A3. In cell A3 type: 12345678912. See how Excel widens the column for the last set of numbers. *Please note that you have to tell the PC when you have finished entering data in a cell by moving out of the cell. This is what you do when you press Enter or use the keyboard arrows.*
* When you open a new worksheet, all the cells have general format. The format of the cell determines what the numbers, text, dates and so on in the cell look like after you have entered data into a cell.

A general format means that the cells have no specific number format. Let's find out what this means. In cell B1 type: Mrs B. Otto; in cell B2 type PO Box 1620; in cell B3 type Timbuktu; in cell B4 type the postal code 0026. See what happens to the postal code? In order to display the postal code correctly, we have to change the format of the cell. This will be done in the next step.



The format of a cell is changed via the format menu on the menu bar. Before we can change the format of a cell, we first have to tell the PC which cell we want to change. Click on cell B4, where the postal code should be. Then click on the format menu and click on cells.



The explanation given says that: "Number is used for general display of numbers." Click OK and watch what happens. Oops, this is not what you wanted! But at least now you know that the Numbers format gives two decimal points and that it is used for a general display of numbers.

Formative Assessment 3

In your practice file enter the following amounts in cells C1 to C5: C1: 28443; C2: 31296; C3: 8543; C4: 12; C5: 96.

 

Then select these cells, click the Format menu from the menu bar and click cells. Click on the Numbers tab and then click on the currency category. The explanation reads: "Currency formats are used for general monetary values."

Set the number of decimal places to zero and the currency to R English.

Select the first figure in red in the box as the format for negative numbers. Click OK.



**See how the appearance of the cells has changed.**

If you look at the formula bar, the number appears unformatted (it does not show the R in front of the amounts). Excel uses the number in the formula bar when performing any calculations on this cell, in other words it uses the number only, not the currency.

Formative Assessment 4

* In Cells D1 to D5, enter the following numbers: D1: 86236; D2: 789654; D3: 789; D4: 86; D5: 98746.
* Once again, select Cells D1 to D5; click the **format** menu, click **cells** and then click the **number** tab, if necessary.
* Click the **accounting** category and look at the rest of the menu. You will see that you now have different options from the previous Exercises, when you clicked the currency category. You can either reduce or increase decimal places and select a different symbol.
* The explanation reads: "Accounting formats line up the currency symbols and decimal points in a column."
* Change the decimal places option to two; click on OK.

Now you can see that all the R signs are aligned underneath each other.

Formative Assessment 5

Put simply, a budget is a statement of your income and expenses, showing you how much money you have left once you have paid all your debts. Income is of course all your earnings: salary, commission, interest, maintenance, etc. Expenses are everything you have to pay: house rent, water and lights, telephone, school fees, transport, accounts, etc.

* Complete your monthly budget, or an imaginary one and save it to the hard drive. Name your workbook Budget and add your name.

Entering Formulas Into Cells

You **ALWAYS** begin a = in the cell where you want the answer!

Excel uses the following arithmetic operators that you will find on your numeric keyboard on the right hand side of the keyboard:

* To Add use the + (plus)
* To Subtract use the - (minus)
* To Multiply use the \* (asterisk)
* To Divide use the / (forward slash)

Click on sheet 3 in your workbook.

Formative Assessment 6

* In cell A1 type 250; in cell A2 type 320; in cell A3 type 125.
* Start your calculation (your sum) by entering an = in cell A4
* Click cell A1 and press + .See how the formula shows in cell A4
* Click cell A2 and press+ .See how the formula shows in cell A4 as well as the Formula Bar
* Click cell A3 and press Enter - DO NOT PRESS + IN CELL A3!!! Press Enter!!!
* The answer will display in cell A4.
* If you press + and then Enter in cell A3, an error message will display. You can click on Yes and Excel will make the corrections as proposed, or you can click No and make the corrections yourself.

 

Error Messages

When you are adding in Excel, it is similar to adding on a calculator. You will type + in all the cells except the last one, where you press enter. Excel will automatically calculate and display your answer in the cell nominated by you, where you typed the =.

If a formula cannot properly evaluate a result, Microsoft Excel will display an error value. Each error type has different causes, and different solutions. Error messages display in two ways: via the Office Assistant as in the example above and then as a message in a cell.

##### Occurs when a column is not wide enough, or a negative date or time is used. Enlarge the column

#VALUE! Occurs when the wrong type of argument or operand is used. There is something wrong with your formula, check the formula again. Also check that you used the correct cell formatting.

#NAME? Occurs when Microsoft Excel doesn't recognize text in a formula. Usually this happens when you used a label in a formula, without labels being allowed. This is covered later in the manual.

#REF! Occurs when a cell reference is not valid

This lesson is important, because if you do not do the calculations in the right sequence, Excel will not be able to display the answer.

Formative Assessment 7

* You will find the **Autosum** button on the toolbar. Autosum will add totals in columns or rows for you:
* Click and drag down the cells in the column that you wish to add. End one cell below the last number. Then click the **AutoSum** button on the toolbar.
* Excel will add the total of the column automatically. Columns can only be added from the top to the bottom and rows from the left to the right





* You are still working in sheet 3, so enter the following amounts in column C:
* C1:1230; C2: 4387; C3:2598; C4: 1121; C5: 7683; C6: 5576.



Click and drag from cell C1 to cell C7. Click on the Autosum button. The answer will be displayed in cell C7

Adding Using The SUM Function

You can find the SUM function in two ways: through the Paste Function button or through the SUM function:



The SUM function appears in the Name box as soon as you click on the = sign on the formula bar.

Exercises

* In column D enter the following amounts: D1 : 121; D2: 354; D3 no amount; D4: 478; D5: 299; D6: 35; D7: 99.



* Click in cell D8 and then click the Paste Function button on the toolbar.
* In the FunctIon Name box select SUM and click OK.
* In Number 1 of the SUM box, type the following: D1:D7.
* The Name box will now display the word SUM and the formula bar will display the following:
* =SUM (D1:D7)
* This is the correct way of using the SUM function. We will discuss functions again later in the manual
* Click OK and the answer will be displayed in cell D8.



Exercises: Using The Sum Function In Rows

You can, of course, also use the Sum Function to do calculations in rows rather than in columns.

* In row 18, enter the following amounts: cell A18 : 257; cell B18 :799; cell C18 147.
* Click in cell D18, click the = sign on the formula bar, select Sum in the name box and click OK.
* In Number 1 of the Sum box, type A18:C18 and click OK.
* The answer will be displayed in cell D18.

Formative Assessment 8

The procedure to subtract is the same as to add: click the cell where you want the answer and then process the calculation.

Remember, to subtract use the - (minus) on the numeric keyboard.

* In cell B6 type 115. Click in cell B7 and type =.
* click cell B5, press - (minus) on the numeric keyboard
* Click cell B6 and press Enter
* The answer will be displayed in cell B7

Formative Assessment 9

To multiply, use the \* (asterisk) on the numeric keyboard.

* In cell F1 enter 247, cell F2: 23, cell F3: 3.
* Click on cell F4 and enter =
* Click on cell F1 and type \*, click on cell F2 and type \*
* Click cell F3 and press Enter. The answer will be displayed in cell F4.

Formative Assessment 10

To divide, use the / (forward slash) on the numeric keyboard.

* Enter the following amounts: cell A20: 8585; cell B20: 123.
* Click on cell C20, enter = .
* Click cell A7 and enter /, click cell B7 and press enter.
* The answer will be displayed in cell C20

Formative Assessment 11

* Open the workbook **VALIDATION**
* In cell **B7** (Overheads Growth) create a validation entry
* Set these validation settings: Whole Number, Less than 1; and switch off **Ignore blank**
* Set the **Input Message** title to "Input Overheads" and the message to "Enter a fraction such as .15, or a percentage such as 15%"
* Set the **Error Alert** to **Stop**; title to "High Overheads", and the message as "Unrealistic figure, please re-enter."
* In cell **B7** enter the number **2**
* Reset the validation **Error Alert** to **Warning**
* In cell **B7** enter the number **2**, and accept the number
* Display the **Formula Auditing** toolbar
* Use the **Circle Invalid Data** button  to highlight the number 2 in cell **B7**
* Close the file without saving it

To distribute data to people who do not have access to the Microsoft Excel application (or are using a different version of it), you can save a workbook in a different file format to allow them to open and edit it in whatever spreadsheet software they have.

Formative Assessment 12

* Open the workbook **GRADES**
* (1) Create a formula in A2 to calculate the number of A grades achieved by students (range **D33:AC152**), using relative or absolute references so that you can fill the formula across to G2 accurately
* (2) In B3, create a formula to show what percentage of the total passes at that grade represent, then fill the formula across to G2
* (3) In A4, create a formula to count the number of A passes, using an IF formula to insert a zero-length string ("") if the result is 0
* Copy the formula in A4 down to row 29 then use Find and Replace to adjust the column reference in each cell
* Copy the formulas in B4:B29 to column G, making sure that the absolute/relative cell referencing you have used produces correct results (alternatively, you could use named ranges or labels if you know how)
* (4) Assuming A=10pts, B=8pts, C=6pts, D=4pts, and E=2pts, create a formula and fill down B33:A152 to calculate the number of points scored by each student
* (5) Create a formula in I1 to calculate the number of students
* (6) Create formulas in I2 and I3 to calculate what percentage of total entrants achieved passes graded from A-C and A-E
* (7) Create a formula to work out the average number of passes at grades A-C for any given subject - **do not** treat empty cells as zero values
* (8) Create formulas in I5 and I6 to show the highest and lowest student points totals
* Save and close the workbook

Formative Assessment 13

* Open the workbook **ANNUAL RESULTS**

Tip This exercise will be easiest to complete in Excel. If you prefer to practise using a Graph object in Word or PowerPoint, the same data is available in the document and presentation files named **ANNUAL RESULTS**.

* Select from **B2:C41** then from the I**nsert** menu, select **C**h**art...**
* The **Chart Wizard Step 1** dialogue box is displayed.
* From the C**hart type:** list, select **XY (Scatter)**
* From the **Chart Sub-**t**ype:** box, select **Scatter**
* Click the **Press and Hold to** V**iew Sample** button to see how the selected data will appear as a chart
* Click N**ext >**
* Click the **Series** tab and type **Orders** in the N**ame:** box
* Click N**ext >**
* In the **Chart Options** dialogue box, change the **Chart** t**itle:** to **Order Values by Quantity** and hide the legend
* Click N**ext >**
* Create the chart as a new sheet named **ValueByQuantity**
* When the chart is created, point to some of the data markers to see the value

Notice that values do not appear in the same order as in the worksheet. The first value plotted is the month with the lowest number of orders. The greater the number of orders, the further to the right the marker is positioned; the greater the value, the further up the chart the marker is.

* From the C**hart** menu, select A**dd Trendline...**
* In the **Trend/Regression type** panel, select L**inear**
* Click the **Options** tab and check theR**-squared value** box
* Click **OK**

You should be able to see that the number of orders is quite a good predictor of the value of sales.

* Save and close the workbook
* Open the workbook **TRENDLINES**

Tip This exercise will be easiest to complete in Excel. If you prefer to practise using a Graph object in Word or PowerPoint, the same data is available in the document and presentation files named **TRENDLINES**. You will not be able to complete the steps where you change values on the chart.

* Create a **bar** chart for the first three items on the sheet, but not the Overheads line
* Add the Overheads line to the chart; set the series as a **line** chart
* Click-and-drag one of the bars to change the bar value
* Click-and-drag one of the points on the Overheads line to change the line value

|  |  |
| --- | --- |
| Because the values for overheads are calculated by formulas, the **Goal Seek** dialogue box is displayed, prompting you to select a cell containing a value to change.* Select one of the cells in the same column as the data point (in the above example, select J2, J3 or J4)
 | Goal Seek dialogue box |

* Create a second **bar** chart for the first three items on the sheet, but not the Overheads
* Add trendlines to the different data series, experimenting with different types and extrapolating to predict future results
* Reformat the chart appearance, and add it to the list of Custom chart templates with the name **Trendy**
* Set **Trendy** as the default chart type
* Create a third chart for the same data as above - **Trendy** should be the default chart
* Delete the **Trendy** chart template
* Save and close the file

Formative Assessment 14

* Open the workbook **FORECAST RESULTS**
* Click in cell **B1** then name the cell **target\_growth**
* In **C3:C15**, enter a formula to calculate the target for 2004 (2003's result increased by target growth)
* From the T**ools** menu, select **Sc**e**narios...**
* Click A**dd...**
* Enter the **Scenario** n**ame:** of **Low Growth**
* In **Changing** c**ells:**, type **target\_growth**
* Click **OK**
* Enter the value as **0.05** and click A**dd**
* Repeat to add **Medium** and **High Growth** scenarios of **0.01** and **0.02** respectively, clicking **OK** after you add a value for **High Growth**
* From the **Scenario Manager**, select **High Growth** and click S**how**
* Click E**dit** then change the value for **High Growth** to **0.15**
* Click the **S**u**mmary** button
* For the **Report type**, select **Scenario** s**ummary**
* For R**esult cells**, select **C15**
* Click **OK**
* View the summary sheet
* Save and close the workbook

Formative Assessment 15

* Open the workbook **CONTACTS** then click in cell **C2** then from the W**indow** menu, select F**reeze Panes**
* Scroll around the sheet, noticing that the titles always remain on the screen
* Select column A then from the **F**o**rmat** menu, select C**olumn** then select H**ide**
* Click the **ContactData** sheet tab to select the worksheet
* Click in cell **A2** then press ++**⭣** to select the range of data
* Press +**⭢** twice to select the next two columns
* From the I**nsert** menu, select N**ames** then C**reate**
* In the dialogue box, make sure that only the L**eft column** box is checked then click **OK**
* Click in cell **A2** then from the W**indow** menu, select F**reeze Panes**
* Click the arrow on the **Name** box then scroll to find **Merchant,Robb** and select it

The appropriate data is selected on the sheet.

* From the E**dit** menu, select G**o To** then select another name and click **OK**
* Select the sheet **CompleteData**
* Select rows **86:92** then right-click the selected row headers and select H**ide**
* Note the total number of rows with data in **CompleteData** then switch back to **ContactData** then look to see if the hidden rows are still shown

Hiding data does not affect any calculations using the hidden cells. Because all the cells on the **ContactData** sheet use a reference to **CompleteData**, all the rows are still there.

* Switch back to the **CompleteData** sheet and click-and-drag across rows **85:93**
* Right-click the row headers and select U**nhide**
* From the **F**o**rmat** menu, select S**heet** then from the submenu, select H**ide**
* Save and close the workbook

Open **HOUSE**

Open **HOUSEHOLD**

* Practise switching between the two workbooks
* From the W**indow** menu, select **Compare Side** b**y Side With...**
* Practise scrolling around one window and observe the changes in the other window
* On the **Compare Side by Side** toolbar, click **Close Side** b**y Side**
* Close **HOUSEHOLD**
* Maximise **HOUSE**
* Use the horizontal split box to split the screen into two so that you can view the fixed and variable expenses on the screen together
* Remove the split
* Use F**reeze** **Panes** to lock the **Month** headings for scrolling across the sheet
* Remove the split
* Use Zoom to view all data on the worksheet without scrolling
* Save and close **HOUSE**

Formative Assessment 16

* Open the workbook **STRUCTURE HOUSE**
* Insert a new row between **Income** and **Husband** andchoose **Format Same As Below** from the **Paste Options** smart tag
* Insert a new row between **Expenses** and **Mortgage** andchoose **Format Same As Below** from the **Paste Options** smart tag
* Insert a new column between columns **A** and **B** andchoose **Format Same As Right** from the **Paste Options** smart tag
* Delete column **B**
* Rename **Sheet 1** as **Expenses**
* Make the sheet **Expenses** colour **Pale Blue**
* Select rows 1 to 8 then click **Copy** 
* Click the **Sheet2** tab
* Click **Paste** 
* From the **Paste Options** smart tag, select **Keep Source Column** W**idths**
* Rename **Sheet2** to **Income** and apply the **Pale Yellow** colour
* Delete **Sheet 3**
* Right-click the **Expenses** sheet and select M**ove or Copy...**
* Move to the end of the workbook and make it a copy
* Click the original **Expenses** sheet and delete rows 2 to 8
* Save and close the workbook

Formative Assessment 17

Whenever you want to print a worksheet, always first go to print preview to see what your worksheet will look like when it is printed.

Save your worksheet and then go to the File, Print Preview menu.

#### Zoom

Use this to zoom in and out of your document. Click on **Zoom** and Excel will zoom into your document. When you click on **Zoom** again, Excel will zoom out of the document.



#### Setup

Controls the appearance of the printed document.

* Click on Setup and change the Page orientation of your worksheet from Portrait to Landscape.
* You do this by clicking on Landscape and then clicking OK. When you work in Excel you will from time to time have a wide document that you will want to print in Landscape format.

#### Page Break Preview

This gives you a view of all the pages of your worksheet and where they will be cut off.

Click on Page Break Preview. You will notice that this option takes you out of Print Preview and back to your worksheet.





Formative Assessment 18

* Choose the File, Print menu. You now have a couple of choices.
* In the Print Range box you can choose to print either all the pages or only certain pages of the workbook.
* In the Copies box, you can choose the number of copies of the printing job you want to print.
* There is also a Print What box, which gives you the following options: the entire workbook or only selected worksheets. If you choose active sheets, the work area of selected sheets only will be printed. If you choose Entire workbook, Excel will print the entire workbook.

Formative Assessment 19

* Create a new workbook and save it as **PRODUCT MANIFEST**
* Type the following field names into separate cells in row A: ID, Category, Product, Amount, Price, Stock Level, Reorder Level, Discontinued
* Select the ID, Stock Level, and Reorder Level columns then apply **Number** value format with **No Decimal Places** and **No comma separator**, apply **Currency** format, with **£** symbol and **2** decimal places to the **Price** field then apply a **dd/mm/yyyy** format to the **Discontinued** column
* Right-click A1 and select **Create List...**, check the **My list has headers** box and click **OK**
* To start, click in A2 then add the following records to the list, taking care to type the data accurately

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ID | Category | Product | Amount | Price | Stock Level | Reorder Level |
| 22200 | Condiments | Redcurrant Sauce | 6 x 150ml | £6.35 | 86 | 0 |
| 22201 | Condiments | Redcurrant Sauce - Extra Jelly | 1 x 1kg | £6.30 | 24 | 5 |
| 22202 | Salads | Rice & Vegetable Salad | 2kl | £7.35 | 11 | 25 |
| 22203 | Chilli Sauces | Roadhouse Hot & Spicy | 6x147ml | £10.29 | 20 | 0 |
| 22204 | Chilli Sauces | Roadhouse Original | 6x147ml | £10.29 | 61 | 25 |
| 22205 | Chilli Sauces | Roadhouse Southwest BBQ | 6x147ml | £10.29 | 49 | 30 |

* From the **Data** menu, select **Form...**
* Use the form to add the following records

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ID | Category | Product | Amount | Price | Stock Level | Reorder Level |
| 22206 | Cold Meats | Roast Beef | Per kilo | £6.30 | 13 | 25 |
| 22207 | Bread | Rossini Curls | 1 x 280 | £14.75 | 20 | 10 |
| 22208 | Salads | Russian Salad | 2kl | £5.20 | 15 | 0 |
| 22209 | Herbs & Spices | Saffron Powder Packets | 100 x 0.125g | £53.15 | 86 | 0 |
| 22210 | Cold Meats | Salami Milano | Per kilo | £12.40 | 35 | 0 |
| 22206 | Cold Meats | Roast Beef | Per kilo | £6.30 | 13 | 25 |

* Use the scroll bar to move to record #6
* Change the price to **£8.29**, the **Stock Level** to **10**, and the **Reorder Level** to **5**
* Click C**riteria**
* In the **C**a**tegory** field, type **Chilli Sauces**
* Click **Find** N**ext**
* Change the **A**m**ount** to **6x197ml** then select the value and press + to copy it
* Change the **Amount** for other products in the **Chilli Sauces** category, using + to insert the value you copied
* Click **C**l**ose**
* Click the arrow on the **Category** field and select **Cold Meats**
* Click the **Stock Level** label
* On the **Standard** toolbar, click **Sort Ascending** 
* Click in the **Discontinued** field for the first record in the filtered list
* Type today's date
* Use AutoFill to copy the date to the next two records
* Click the arrow on **Category** and select **(All)** to remove the filter

Notice that AutoFill only operates on the records selected by the filter.

* Click in a single cell in any column in the list - **do not select more than one cell**
* From the D**ata** menu, select S**ort...**
* In the first box, select **Category** and A**scending** order
* In the second box, select **Price** and **Desce**n**ding** order

Note that because this is a defined list, Excel greys out the **Header row/No header row** options so that you cannot change them.

* Click **OK**
* Save and close the workbook

Open the workbook **DATALIST**

* Use the **Sort** buttons to order the data in **date** sequence with the most recent **Invoice** first
* Sort the data alphabetically by **Company**
* With the cell pointer in any cell within the table, from the D**ata** menu, select S**ort...**
* Sort the data by **Amount** within **Company**
* Sort the data by **Date** and **Company** putting the oldest invoice at the top of the list
* Sort the data into **Company** order then, for each company, sort the data into **Total** order
* Switch to **Form** view
* Find all orders for **29th September 2003**
* Find all orders for the company named **Lectern** **Systems**
* Save and close the workbook

Open the workbook **PRODUCT DATALIST**

* Use **Sort** and filter to answer the following questions

|  |  |
| --- | --- |
| Question | Answer |
| How many product categories are there? |  |
| What is the most expensive product? |  |
| What is the lowest number of units in stock (ignoring zero values)? |  |
| What is the most expensive product in the Dairy category? |  |
| What is the eighth most expensive product? |  |
| How many different products come in ten 500g packets? |  |
| What is the price of Chocolade? |  |

* Remove all filters and hide the AutoFilter arrows
* Sort the list by ProductID in Ascending order
* Close the workbook

Formative Assessment 20

* Open the workbook **BORDER EXPENSE FORM**
* If necessary, adjust the **Zoom** control so that you can see all the data
* Insert a column to the left of column **A**
* Select column **A** and column **N**
* From the **F**o**rmat** menu, select C**olumn** then W**idth** and set it to **1**
* Insert a row above row **1** then another row above row **9**
* Resize rows **1**, **8**, and **26** to **10**
* Change the height of row **7** to **27** and change the vertical alignment to **Top**
* Display the **Borders** toolbar
* Select the line colour **Dark Blue** and a thick line then draw a border around **B8:N26**
* Select a thin dashed line and draw a border on the bottom of cells **D10:M10**
* Mirror this border along row **21**
* Select **D22:D25**
* From the **F**o**rmat** menu, select **C**e**lls** then click the **Patterns** tab
* Select the **Pale Orange** colour chip
* Click the arrow on the P**attern** box and select the **25% Gray** pattern with **Pale Yellow** colouring
* Click **OK**
* Click in cell **M24** then display the **Format Cells** dialogue box
* Select the **Indigo** colour chip
* Click the arrow on the P**attern** box and select the **50% Gray** pattern with **Pale Blue** colouring
* Click the **Border** tab
* Select the **Black** colour chip and a thick line weight then click the O**utline** button
* Click **OK**
* Change the **Font Colour** of **M24** to **White** and apply **Bold**
* Save and close the workbook