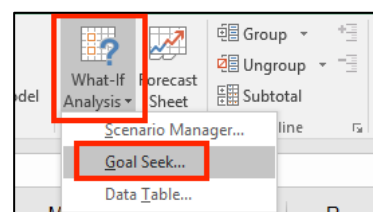


What If Analysis

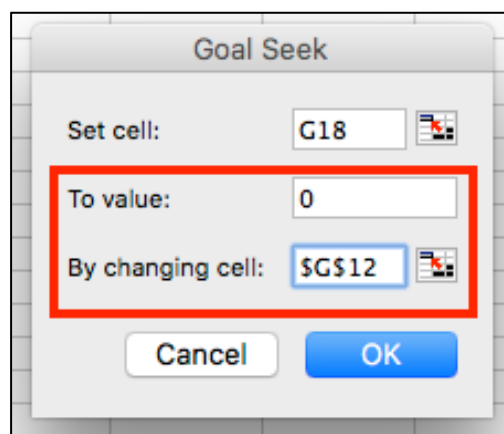
You can use spreadsheets to carry out tests to determine the best value for a variable.

For example, the break-even point for the price of a school play ticket – the point at which the profit is 0.

1. Open the schoolplay spreadsheet
2. Click in cell **G18** – this should be the cell with the profit or loss in it
3. Click **Data > What If Analysis > choose Goal Seek**



4. This will pop up a window
 - a. the top box (**Set cell**) should already be filled in with **G18** – if it isn't, then replace the content with G18
 - b. set the **To value** box to **0**
 - c. click in the **By changing cell** box and then click in cell **G12** – this should put G12 (with absolute cell referencing) in the box



5. Click **OK**
6. You should find that the price of a ticket in G12 changes and that the profit will be shown as 0 in G18.

What Excel has done is worked out the price of ticket you need to set with the number of tickets that you've sold – based on the percentage of seats sold each night.

This will let you set a price to ensure you don't make a loss. The price will probably need changing to something a little more obvious (like £1.30) so that tickets could actually be sold sensibly.