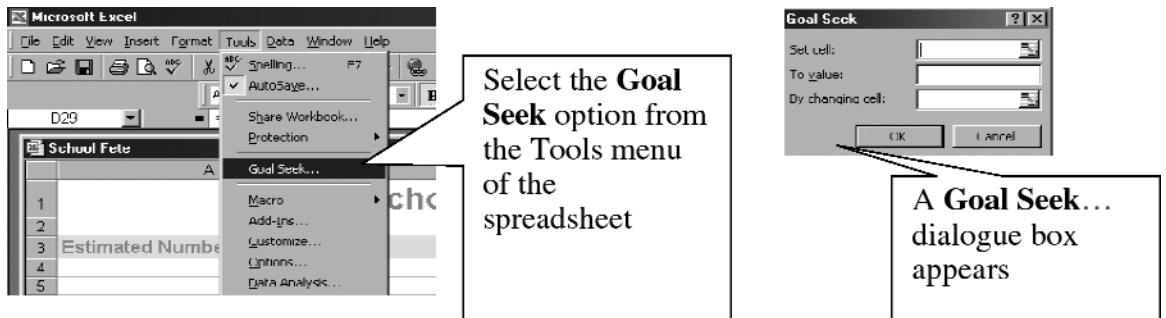


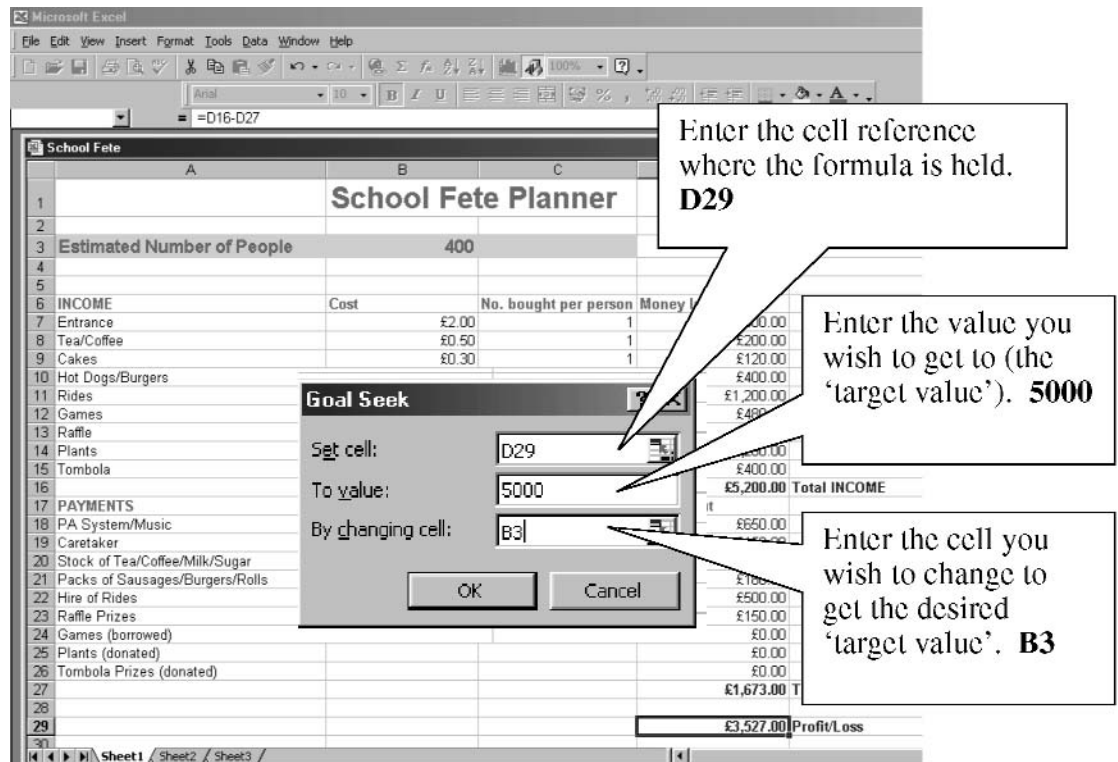
Goal Seek... help sheet

This sheet is designed for teacher demonstration.
It can be adapted to suit local needs.

- 1 Load the school fete file. As an example, say you want to find the number of people required to make a profit of £5000. The profit formula is held in cell D29.
- 2 Select the Goal Seek... option.



- 3 Now enter the relevant details into the Goal Seek... dialogue box as shown below.



- 4 Click on OK.

Cell B3 changed so that the 'target value' of £5000 is reached in D29

Calculated **exactly** as 513.3076923 ...people
The number of decimals may not be appropriate!

Target value of £5000 achieved **exactly** in cell D29

| INCOME | Cost | No. bought per person | Money In |
|------------------|-------|-----------------------|----------|
| Entrance | £2.00 | 1 | |
| Tea/Coffee | £0.50 | 1 | |
| Cakes | £0.30 | 1 | |
| Hot Dogs/Burgers | £1.00 | 1 | |
| Rides | £0.75 | 4 | |
| Games | £0.40 | 3 | |

| PAYMENTS | |
|---------------------------------|--------------------------|
| PA System/Music | |
| Caretaker | |
| Stock of Tea/Coffee/Milk/Sugar | |
| Packs of Sausages/Burgers/Rolls | |
| Hire of Rides | |
| Raffle Prizes | |
| Games (borrowed) | |
| Plants (donated) | |
| Tombola Prizes (donated) | |
| | £0.00 |
| | £1,673.00 Total PAYMENTS |
| | £5,000.00 Profit/Loss |

- Now return to one or more of the questions answered by the 'trial and error method'. Demonstrate how the model can be interrogated much more quickly and efficiently using Goal Seek...