

School Production
Income from Selling Tickets
Section 2 of the Financial Model

Unit 9.3
Lessons 4-7
Selling Tickets

PART 1

Potential Income

What is the most we can make
by selling ALL seats?

Setting out the table


Hall seating plan

	A	B	C	D	E	F	G	Door	H	I	J	K	L	M	N
1	Green	Green	Green	Green	Green	Green	Green		Green	Green	Green	Green	Green	Green	Green
2	Green	Green	Green	Green	Green	Green	Green		Green	Green	Green	Green	Green	Green	Green
3	Green	Green	Green	Green	Green	Green	Green		Green	Green	Green	Green	Green	Green	Green
4	Green	Green	Green	Green	Green	Green	Green		Green	Green	Green	Green	Green	Green	Green
5	Green	Green	Green	Green	Green	Green	Green		Green	Green	Green	Green	Green	Green	Green
6	Green	Green	Green	Green	Green	Green	Green		Green	Green	Green	Green	Green	Green	Green
7	Green	Green	Green	Green	Green	Green	Green		Green	Green	Green	Green	Green	Green	Green
8	Green	Green	Green	Green	Green	Green	Green		Green	Green	Green	Green	Green	Green	Green
Door															
9	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan		Cyan	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan
10	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan		Cyan	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan
11	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan		Cyan	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan
12	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan		Cyan	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan
13	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan		Cyan	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan
14	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan		Cyan	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan
15	Pink	Pink	Pink	Pink	Pink	Pink	Pink		Pink	Pink	Pink	Pink	Pink	Pink	Pink
	Stage														

Potential Income

Seat price	No of seats	Total
£2.00		
£2.50		
£3.00		

Make some columns an appropriate width. Add colours and borders to your key.



3

Calculating the number of seats

Potential Income		
Seat price	No of seats	Total
£2.00	=8*14	
£2.50		
£3.00		

Multiply the number of rows by the number of columns for each colour

	A	B	C	D	E	F	G	Door	H	I	J	K	L	M	N
1															
2															
3															
4															
5															
6															
7															
8															

In this example there are 8 rows and 14 columns

Calculating the Totals

1. Multiply the seat price by the number of seats
 - E.g. =A3*B3 is typed into cell D3
 - The * is used for multiplying
 - You will need to use your own cell references
 - Remember to allow a few *'free'* seats for special guests

4 of my 14 £3.00 seats are 'free'

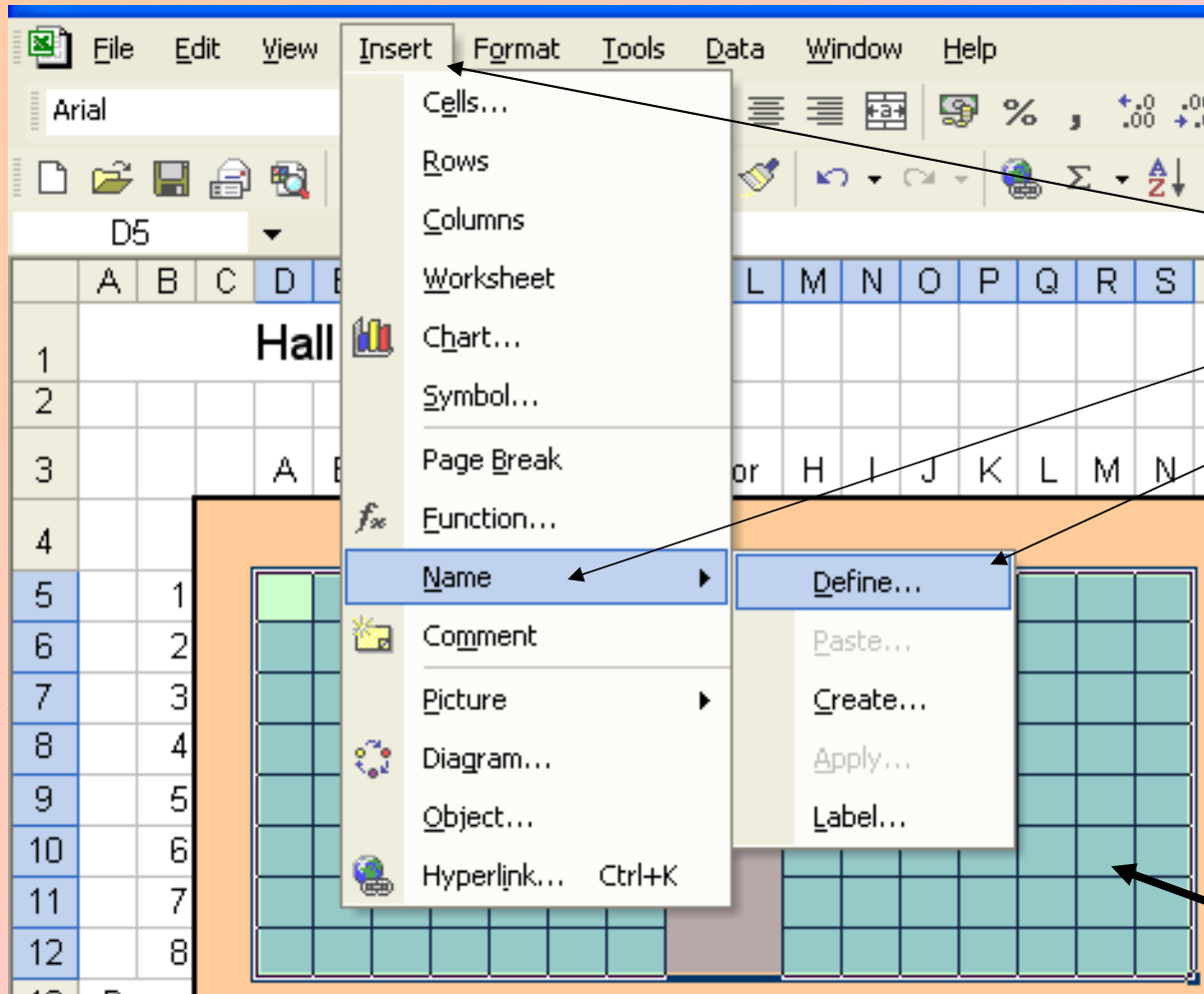
Potential Income		
Seat price	No of seats	Total
£2.00	112	£224.00
£2.50	84	£210.00
£3.00	10	£30.00
Totals	206	£464.00

PART 2

Actual Income

Creating a 'live' booking system that will update itself

Naming sets of cells (1)



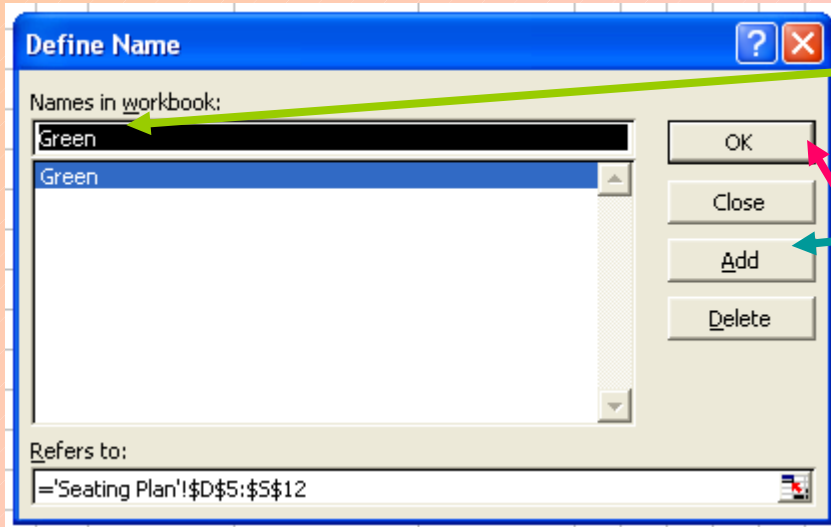
2

Select
*Insert /
Name /
Define*

1

Highlight a group
of seats

Naming sets of cells (2)



1

Type an appropriate name (no spaces)

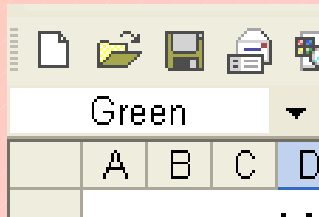
2

Select add

3

Select OK

If you get it wrong delete the name and redo it.



If you do it correctly the name appears in the top left hand corner of your work sheet.

Using the 'Countif' formula (1)

Type the required labels and the 'countif' formula below your Potential Income table

Actual Income					
Seats		Totals			
Green		=COUNTIF(Green,"B")*X5			

X5 is the cell reference where the price of green seats is stored.

Actual Income			
Seats		Totals	
Green		£0.00	

You should have £0.00 if you followed the instructions correctly

Using the 'Countif' formula (2)

To see the effect of the countif formula:

Imagine that Mrs Moore has just taken a telephone booking for 4 seats in Row 8. She types a 'B' for Booked. The total income is added to the table.

6												Actual Income	
7												Seats	Totals
8							B	B	B	B		Green	£8.00
Door													

n
e
x
t

B	B	B	B				Actual Income		
							Seats	Totals	
							Green	£8.00	
							Blue	£22.50	
					B	B	Pink	£12.00	
B	B	B	B				Total	£42.50	
		B	B	B					
			B	B	B	B			

Go back slide 7 and repeat the process until all your seats are part of your automated booking system