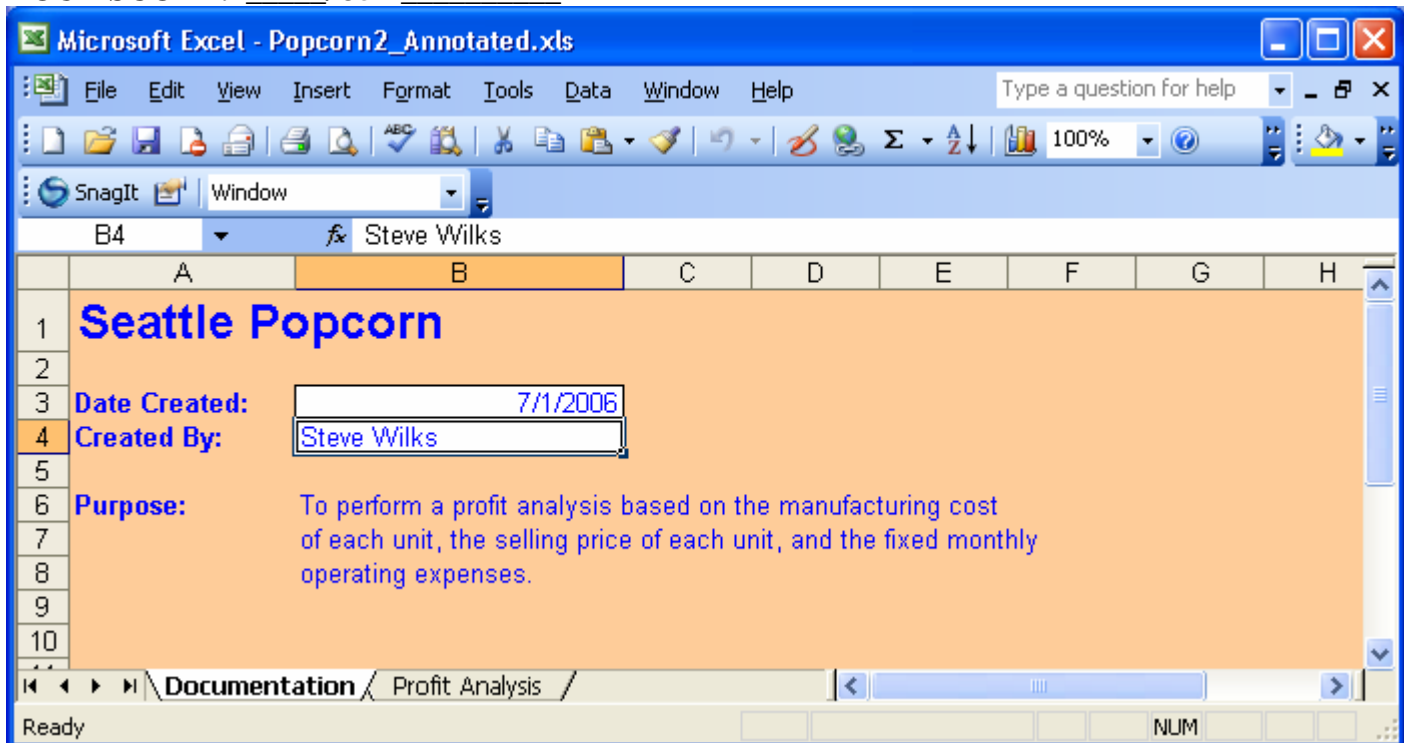


Grading Rubric – Excel 2003 Tutorial 8, Case Problem 1

Solution File(s): Popcorn2.xls

Description	Pts	Your Score
Price_per_Unit name defined as: ='Profit Analysis'!\$C\$15	2	
Cost_per_Unit name defined as: ='Profit Analysis'!\$C\$16	2	
Monthly_Expenses name defined as: ='Profit Analysis'!\$C\$17	2	
In range H3:H43, formula entered to calculate the revenue: =G3*Price_per_Unit	2	
In range I3:I43, formula entered to calculate the expenses: =G3*Cost_per_Unit+Monthly_Expenses	2	
In cell C18, formula entered to calculate the break-even point: =Monthly_Expenses/(Price_per_Unit-Cost_per_Unit)	2	
In cell C19, formula entered to calculate the revenue at the break-even point: =C18*Price_per_Unit	2	
Data validation rules created for cells C15, C16, and C17 as shown in Figure 8-33	6	
(not shown) Worksheet protection enable with locked property deselected for cells C15, C16, and C17	3	
PrintChart macro created (and then modified), assigned Ctrl+a shortcut key, and assigned to a button	6	
PrintWorksheet macro created (and then modified), assigned Ctrl+b shortcut key, and assigned to a button	6	
TOTAL POSSIBLE POINTS:	35	

YOUR SCORE: _____ / 35= _____



Microsoft Excel - Popcorn2_Annotated.xls

File Edit View Insert Format Tools Data Window Help

SnagIt Window

A1

Units Sold	Revenue	Expense
0	\$0	\$30,000
500	\$6,500	\$35,000
1,000	\$13,000	\$40,000
1,500	\$19,500	\$45,000
2,000	\$26,000	\$50,000
2,500	\$32,500	\$55,000
3,000	\$39,000	\$60,000
3,500	\$45,500	\$65,000
4,000	\$52,000	\$70,000
4,500	\$58,500	\$75,000
5,000	\$65,000	\$80,000
6,000	\$78,000	\$90,000
6,500	\$84,500	\$95,000
7,000	\$91,000	\$100,000
7,500	\$97,500	\$105,000
8,000	\$104,000	\$110,000
8,500	\$110,500	\$115,000
9,000	\$117,000	\$120,000
9,500	\$123,500	\$125,000
10,000	\$130,000	\$130,000
10,500	\$136,500	\$135,000
11,000	\$143,000	\$140,000
11,500	\$149,500	\$145,000
12,000	\$156,000	\$150,000
12,500	\$162,500	\$155,000
13,000	\$169,000	\$160,000
13,500	\$175,500	\$165,000
14,000	\$182,000	\$170,000
14,500	\$188,500	\$175,000
15,000	\$195,000	\$180,000
15,500	\$201,500	\$185,000
16,000	\$208,000	\$190,000
16,500	\$214,500	\$195,000
17,000	\$221,000	\$200,000
17,500	\$227,500	\$205,000
18,000	\$234,000	\$210,000
18,500	\$240,500	\$215,000
19,000	\$247,000	\$220,000
19,500	\$253,500	\$225,000
20,000	\$260,000	\$230,000

Profit Analysis

Units Sold Revenue Expense

In range H3:H43, formula entered to calculate the revenue:
=G3*Price_per_Unit

In range I3:I43, formula entered to calculate the expenses:
=G3*Cost_per_Unit+Monthly_Expenses

Data validation rules created for cells C15, C16, and C17 as shown in Figure 8-33

Price_per_Unit name defined as:
='Profit Analysis'!\$C\$15

Cost_per_Unit name defined as:
='Profit Analysis'!\$C\$16

Monthly_Expenses name defined as:
='Profit Analysis'!\$C\$17

In cell C18, formula entered to calculate the break-even point:
=Monthly_Expenses/(Price_per_Unit-Cost_per_Unit)

In cell C19, formula entered to calculate the revenue at the break-even point:
=C18*Price_per_Unit

(not shown) Worksheet protection enable with locked property deselected for cells C15, C16, and C17

PrintChart macro created (and then modified), assigned Ctrl+a shortcut key, and assigned to a button

PrintWorksheet macro created (and then modified), assigned Ctrl+b shortcut key, and assigned to a button

Print Breakeven Analysis

Print worksheet

Sales Price per Unit: \$13
Manufacturing Cost per Unit: \$10
Fixed Monthly Expense: \$30,000
Break-Even Point (Units Sold): 10,000
Revenue at Break-Even Point: \$130,000

Documentation Profit Analysis

Ready

start

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