

# ADVANCED SPREADSHEET APPLICATIONS (235)

REGIONAL – 2015

*TOTAL POINTS* \_\_\_\_\_ (*370 points*)

**Judge/Graders: Please double check and verify all  
scores and answer keys!**

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Formatting on consolidated, Indianapolis, Orlando, and Washington D.C. tabs	Points	Total
Contestant Number in the right section of footer	5	
Printout number in the right section of footer	5	
Sheet tab name in center section of footer	5	
Page of the number of pages in the center section of the header	5	
Title formatted with Title Cell style	5	
Title merged and centered across all columns	5	
Subtitle formatted with Title Cell Style	5	
Subtitle merged and centered across all columns	5	
Column headings with Heading 3 cell style	5	
Column headings background black text lighter 50% and white text	5	
Column B is formatted comma style, zero decimals	5	
Column C is formatted percent style, zero decimals	5	
Columns D through I formatted comma style	5	
Wrapped text on column headings where shown	5	
Renamed sheet tabs to match Title (header centered)	5	
Applied Total Cell style to Row 11	5	
<b>Subtotal</b>	<b>80</b>	
Formulas on Indianapolis, Orlando, and Washington D.C. Tabs	Points	Total
Columns B, E through I are summed	20	
Formula in C5 compares if units on hand are greater than 50,15% , 0 =IF(B5>50,15%,0) OR =IF(B5<50,0,15%)	20	
Formula in E5 to figure Cost with Discount =D5-C5*D5 OR =D5-(C5*D5)	20	
Formula in F5 takes units on hand times Cost with Discount =B5*E5	20	
Formula in G5 that adds a markup of 20% to Average Cost =D5*1.2 OR =D5*20%+D5	20	
Formula in H5 that multiplies Units on hand times Average Selling Price =B5*G5	20	
Formula in I5 that takes total value minus total cost =H5-F5	20	
<b>Subtotal</b>	<b>140</b>	
Formula's on Consolidated Worksheet	Points	Total
Formula in B5 autosums other worksheet tabs B5 =SUM('Indianapolis:Washington D.C.'!B5)	20	
Formula in E5 averages the other worksheet tabs E5 =AVERAGE('Indianapolis:Washington D.C.'!E5)	20	
<b>Subtotal</b>	<b>40</b>	

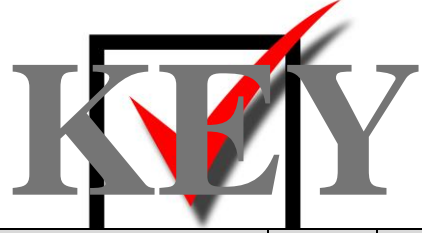
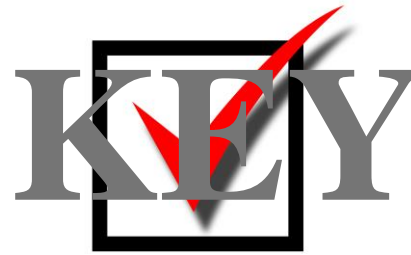


Chart	Points	Total
Chart is a 3-D pie chart with categories and Profit Potential	10	
Chart has legend removed	10	
Moved to own sheet tab without copy/paste	10	
Chart has title using WordArt saying Profit Potential	10	
Chart has textbox saying highest Profit Potential with black arrow pointing to largest percentage	10	
Chart has largest percentage piece of pie rotated so it is in the upper left corner	10	
Chart has highest percentage piece of pie pulled out	10	
Chart has Contestant number (5) and printout number in right section of footer (5)	10	
Typos on all sheet tabs (0 errors 40 points, 1 error 35 points, 2 errors 30 points, 3 or more errors 0 points)	40	
<b>Subtotal</b>	<b>120</b>	
<b>Total Points</b>	<b>380</b>	

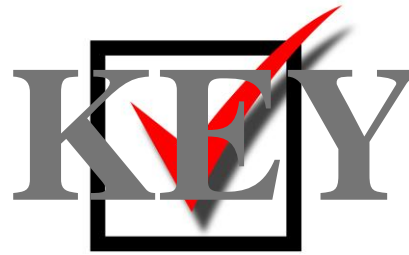


Note to Judges: Title style may vary slightly if Excel 2013 was used for contest.

<b>Egg Head Company Profit Potential</b>									
Category	Units on Hand	Store Discount	Average Cost	Cost with Discount	Total Cost	Average Selling Price	Total Value	Profit Potential	
Computer Hardware	199	15%	199.00	189.05	37,620.95	238.80	47,521.20	9,900.25	
Laptops/Notebooks	47	0%	699.00	699.00	32,853.00	838.80	39,423.60	6,570.60	
Video Devices	226	15%	179.00	161.10	36,408.60	214.80	48,544.80	12,136.20	
CPUs/Processors	315	15%	289.00	245.65	77,379.75	346.80	109,242.00	31,862.25	
Motherboards	141	15%	139.00	132.05	18,619.05	166.80	23,518.80	4,899.75	
Hard Drives	475	15%	89.00	75.65	35,933.75	106.80	50,730.00	14,796.25	
<b>Totals</b>	<b>1403</b>			<b>1,502.50</b>	<b>238,815.10</b>	<b>1,912.80</b>	<b>318,980.40</b>	<b>80,165.30</b>	

<b>Egg Head Indianapolis Profit Potential</b>									
Category	Units on Hand	Store Discount	Average Cost	Cost with Discount	Total Cost	Average Selling Price	Total Value	Profit Potential	
Computer Hardware	40	0%	199.00	199.00	7,960.00	238.80	9,552.00	1,592.00	
Laptops/Notebooks	15	0%	699.00	699.00	10,485.00	838.80	12,582.00	2,097.00	
Video Devices	45	0%	179.00	179.00	8,055.00	214.80	9,666.00	1,611.00	
CPUs/Processors	112	15%	289.00	245.65	27,512.80	346.80	38,841.60	11,328.80	
Motherboards	101	15%	139.00	118.15	11,933.15	166.80	16,846.80	4,913.65	
Hard Drives	200	15%	89.00	75.65	15,130.00	106.80	21,360.00	6,230.00	
<b>Totals</b>	<b>513</b>			<b>1,516.45</b>	<b>81,075.95</b>	<b>1,912.80</b>	<b>108,848.40</b>	<b>27,772.45</b>	

Con



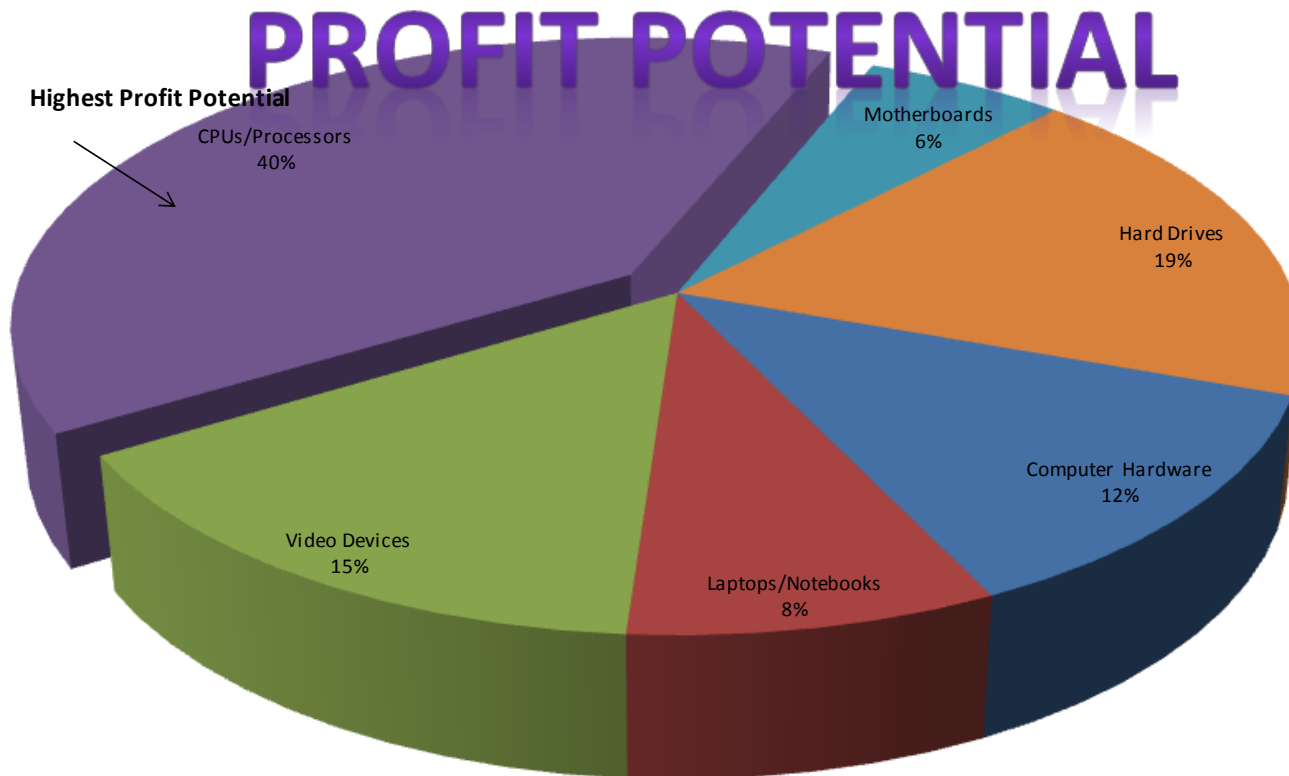
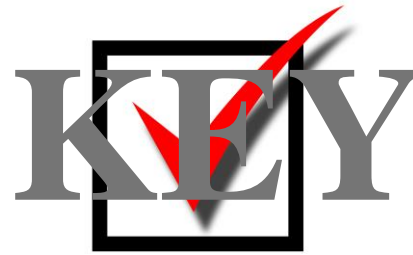
## Egg Head Orlando Profit Potential

Category	Units on Hand	Store Discount	Average Cost	Cost with Discount	Total Cost	Average Selling Price	Total Value	Profit Potential
Computer Hardware	50	0%	199.00	199.00	9,950.00	238.80	11,940.00	1,990.00
Laptops/Notebooks	12	0%	699.00	699.00	8,388.00	838.80	10,065.60	1,677.60
Video Devices	105	15%	179.00	152.15	15,975.75	214.80	22,554.00	6,578.25
CPUs/Processors	114	15%	289.00	245.65	28,004.10	346.80	39,535.20	11,531.10
Motherboards	23	0%	139.00	139.00	3,197.00	166.80	3,836.40	639.40
Hard Drives	156	15%	89.00	75.65	11,801.40	106.80	16,660.80	4,859.40
<b>Totals</b>	<b>460</b>			<b>1,510.45</b>	<b>77,316.25</b>	<b>1,912.80</b>	<b>104,592.00</b>	<b>27,275.75</b>

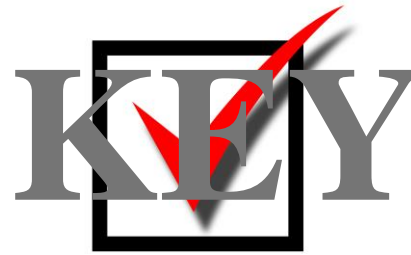
Title formats may vary slightly depending upon version of Microsoft Office.

## Egg Head Washington D.C. Profit Potential

Category	Units on Hand	Store Discount	Average Cost	Cost with Discount	Total Cost	Average Selling Price	Total Value	Profit Potential
Computer Hardware	109	15%	199.00	169.15	18,437.35	238.80	26,029.20	7,591.85
Laptops/Notebooks	20	0%	699.00	699.00	13,980.00	838.80	16,776.00	2,796.00
Video Devices	76	15%	179.00	152.15	11,563.40	214.80	16,324.80	4,761.40
CPUs/Processors	89	15%	289.00	245.65	21,862.85	346.80	30,865.20	9,002.35
Motherboards	17	0%	139.00	139.00	2,363.00	166.80	2,835.60	472.60
Hard Drives	119	15%	89.00	75.65	9,002.35	106.80	12,709.20	3,706.85
<b>Totals</b>	<b>430</b>			<b>1,480.60</b>	<b>77,208.95</b>	<b>1,912.80</b>	<b>105,540.00</b>	<b>28,331.05</b>



Contestant # Printout #



## Egg Head Indianapolis Profit Potential

Category	Units on Hand	Store Discount	Average Cost	Cost with Discount	Total Cost	Average Selling Price	Total Value	Profit Potential
Computer Hardware	40	=IF(B5>50,15%,0)	199	=D5-(C5*D5)	=B5*E5	=(D5*1.2)	=B5*G5	=H5-F5
Laptops/Notebooks	15	=IF(B6>50,15%,0)	699	=D6-(C6*D6)	=B6*E6	=(D6*1.2)	=B6*G6	=H6-F6
Video Devices	45	=IF(B7>50,15%,0)	179	=D7-(C7*D7)	=B7*E7	=(D7*1.2)	=B7*G7	=H7-F7
CPUs/Processors	112	=IF(B8>50,15%,0)	289	=D8-(C8*D8)	=B8*E8	=(D8*1.2)	=B8*G8	=H8-F8
Motherboards	101	=IF(B9>50,15%,0)	139	=D9-(C9*D9)	=B9*E9	=(D9*1.2)	=B9*G9	=H9-F9
Hard Drives	200	=IF(B10>50,15%,0)	89	=D10-(C10*D10)	=B10*E10	=(D10*1.2)	=B10*G10	=H10-F10
<b>Totals</b>	<b>=SUM(B5:B10)</b>			<b>=SUM(E5:E10)</b>	<b>=SUM(F5:F10)</b>	<b>=SUM(G5:G10)</b>	<b>=SUM(H5:H10)</b>	<b>=SUM(I5:I10)</b>

## Egg Head Company Profit Potential

Category	Units on Hand	Store Discount	Average Cost	Cost with Discount
Computer Hardware	=SUM('Indianapolis:Washington D.C.!B5)	=IF(B5>50,15%,0)	199	=AVERAGE('Indianapolis:Washington D.C.!E5)
Laptops/Notebooks	=SUM('Indianapolis:Washington D.C.!B6)	=IF(B6>50,15%,0)	699	=AVERAGE('Indianapolis:Washington D.C.!E6)
Video Devices	=SUM('Indianapolis:Washington D.C.!B7)	=IF(B7>50,15%,0)	179	=AVERAGE('Indianapolis:Washington D.C.!E7)
CPUs/Processors	=SUM('Indianapolis:Washington D.C.!B8)	=IF(B8>50,15%,0)	289	=AVERAGE('Indianapolis:Washington D.C.!E8)
Motherboards	=SUM('Indianapolis:Washington D.C.!B9)	=IF(B9>50,15%,0)	139	=AVERAGE('Indianapolis:Washington D.C.!E9)
Hard Drives	=SUM('Indianapolis:Washington D.C.!B10)	=IF(B10>50,15%,0)	89	=AVERAGE('Indianapolis:Washington D.C.!E10)
<b>Totals</b>	<b>=SUM(B5:B10)</b>			<b>=SUM(E5:E10)</b>