

grade 90%

TO PASS 80% or higher

not include a currency symbol.

## **Week 5 Final Assignment**

LATEST SUBMISSION GRADE

90%		
1.	The following file describes the situation faced by a landscaping company, 'Landscaping Solutions'.	1/1 point
	C3 W5 Final Assessment.xlsx	
	If there is great weather, the company takes the following hours to complete a driveway, backyard, front yard, back verandah, and front porch: 20, 30, 25, 25, and 20 hours respectively.	
	Good weather increases all times by a factor of 1.1.	
	Bad weather increases all times by a factor of 1.25.	
	Stormy weather increases all times by a factor of 1.5.	
	A natural disaster increases all times by a factor of 2.0	
	Great weather, good weather, bad weather, stormy weather, and a natural disaster have the following probabilities of occurrence: 0.6, 0.25, 0.1, 0.04, and 0.01 respectively.	
	All these probabilities (weightings) sum to 1.	
	Use <b>SUMPRODUCT</b> to calculate the estimated hours of work to complete the landscaping,	
	Please answer using the format ###.##.	
	✓ Correct	
2.	The labourers hourly wage is \$30 an hour. In <b>B15</b> , calculate the estimated wage cost, without bonuses, given the estimated hours of work. What is the estimated wage cost? Do not include a currency symbol.	1/1 point
	✓ Correct	
3.	In A15:B22, create a Data Table that calculates the estimated wage cost for wage rates from \$24 an hour to \$36 an hour in	1/1 point
	increments of \$2 an hour.	
	What is the sum of all the estimated wages in your data table ( <b>B16:B22</b> )? Do not include a currency symbol.	
	✓ Correct	
1	In A26, calculate the estimated wage cost with a bonus rate of 10%. In A26:G34, create a Data Table that calculates the	1/1 point
4.	estimated wage cost for wage rates from \$24 an hour to \$38 an hour in increments of \$2 an hour, including bonuses for	17 I point
	the workers ranging from 5% to 10% in increments of 1%.	
	What is the sum of all the estimated wages in your data table ( <b>B27:G34</b> )? Do not include a currency symbol.	
	✓ Correct	
5.	It has been estimated the company's revenues per week can be estimated by the equation revenue = (240 - 30Q)*1000Q where Q is the number of gardens attended to per week. In B39, calculate the total revenue if the quantity is 1. What is the total revenue? Do not include a currency symbol.	1/1 point
	✓ Correct	
6.	It has been estimated the company's costs per week can be estimated by the equation $cost = (120 + 8Q)*1000$ where Q is the number of gardens attended to per week. In B40, calculate the total cost if the quantity is 1. What is the total $cost$ ? Do	1 / 1 point

