

Floriculture and Floral Design class

[Randy.graham@edmonson.kyschools.us](mailto:Randy.graham@edmonson.kyschools.us)

Do your work on your own paper.

Day 1

Valentine's Day should be the most profitable day of the year for a florist. On average most profit margins average between 200 and 300 percent. Using the below wholesale cost of materials how much would you charge for a bud vase to achieve a 300% profit?

Quantity	Item	Wholesale Price
1	Bud Vase	\$1.00/each
3	Leatherleaf	\$0.10/each
3	Roses	\$1.50/each
1	Baby's Breath Steam	\$0.75/each
1	Bow	\$0.50/each
1	Card	\$0.10/each

Day 2

Amy decides to start a plant rental business for her SAE in the 10<sup>th</sup> grade. With the help of her FFA Advisor, she determines that she will have the following expenses:

30 house plants for rental with an average wholesale cost of	\$14.67 each
2 cases (12 cans/case) of leaf shine	\$1.83/can
Monthly miscellaneous expenses	\$17.50

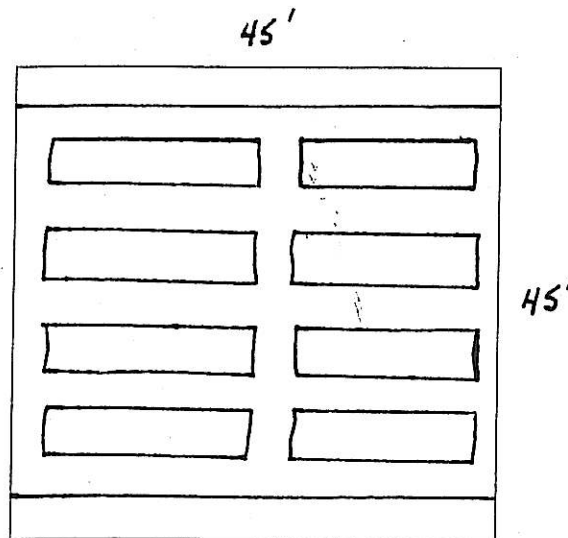
If Amy averages renting 25 plants per month, how much would she need to rent each plant for her to make \$37.50 per month profit after paying the expenses. (All expenses must be paid for the first year of her enterprise.)

Day 3

You have been employed by a local greenhouse operation as a part time employee. One of your duties while watering is to inspect the mum crop for insects. You have noticed an infestation of aphids on the plants that are ready to ship to a florist. Therefore, you know you need to treat the plants with a pesticide.

Task: Identify three safe handling procedures you would follow prior to applying a pesticide and two safe handling practices you would follow post application. Explain the importance of each safe handling practice.

Day 4



Given: Long back benches are 2.5' X 45'

Smaller benches are 4'X16'

1. What is the area of the greenhouse?
2. What is the area of the benchtops?
3. If each pot needs a space of 6" X 5," how many pots will fit on the benches?

Day 5

Given:

Injector Ratio	100 ppm Nitrogen	150 ppm Nitrogen	200 ppm Nitrogen	400 ppm Nitrogen	Nitrogen Strength
Ounces of fertilizer per gallon of concentrate					
1:16	2.1	3.2	4.3	8.5	10%
1:50	6.67	10.0	13.33	26.66	10%
1:100	13.3	20.0	26.7	53.3	10%
1:200	26.7	40.0	53.3		10%
1:16	1.4	2.1	2.8	5.7	15%
1:50	4.5	6.75	9.0	18.0	15%
1:100	9.0	13.5	18.0	36.0	15%
1:200	18.0	27.0	36.0		15%
1:16	1.1	1.6	2.1	4.3	20%
1:50	3.4	5.1	6.8	13.5	20%
1:100	6.8	10.2	13.5	27.0	20%
1:200	13.5	20.3	27.0	54.0	20%

Fertilizer recommendations for Zonal Geraniums calls for 350 ppm Nitrogen once per week. How many ounces of water soluble fertilizer (20-10-20) would be needed while using an injector ratio of 1:100?