

2018 MN FFA Nursery/Landscape Practicum

Mark answers in the Exam 2/Team section on your scantron.

Answer the practicum questions based on the information provided.

Determine necessary soil amounts for potting

What One Bale or Bag Fills

Pot Size	Pots per 3.8 cf bale	Pots per 2.8 cf bag
Standard Round Pots		
2.5"	1550	620
3"	900	360
4"	363	145
5"	195	78
6"	105	42
8"	50	20
10"	24	9.5
12"	14	5.4
Azalea Pots		
4"	490	196
5"	245	98
5.5"	155	62
6"	133	53
6.5"	100	40
7"	83	33
8"	55	22
10"	28	11
Geranium Pots		
4"	425	170
4.25"	350	140
4.5"	313	125
<i>This chart is a general guide. The measurements are approximate. They will vary depending upon the pot manufacturer and the grower's handling of the product.</i>		
Pot Size	Pots per 3.8 cf bale	Pots per 2.8 cf bag
Square Pots		
2.5"	1313	525
3"	875	350
3.5"	525	210
4"	325	130
4.5"	275	110
5.5" x 5"	110	44
Miami Pans		
8" x 5"	70	28
9" x 6.5"	45	18
Bulk Pans		
6"	163	65
8"	73	29
10"	38	15
Perennial & Nursery Containers		
Quart	240	96
0.5 Gallon	113	45
1 Gallon	65	26
2 Gallons	30	12
3 Gallons	23	9
C-100	240	96
C-300	65	26
C-400	50	20
C-600	30	12
C-900	25	10
C-1200	16	6.5
Pot Size	Pots per 3.8 cf bale	Pots per 2.8 cf bag
Decorative Pots		
6"	125	50
8"	58	23
10"	30	12
12"	16	6.5
14"	10	4
Bowls		
10"	53	21
12"	33	13
14"	23	9
Squares		
8"	40	16
12"	15	6
15"	8	3
Ovals		
12"	58	23
16"	28	11
20"	23	9
Hanging Baskets (without Scares)		
6"	150	60
8"	70	28
10"	38	15
12"	23	9
Hanging Baskets (with overall Scares)		
6"	138	55
8"	65	26
10"	35	14
12"	21	8.5
Pot Size	Pots per 3.8 cf bale	Pots per 2.8 cf bag
Ornamental Plug Trays		
128 cell	65	26
288 cell	98	39
406 cell	110	44
512 cell	113	45
Propagation Trays		
Std Flat	50	20
36 cell	45	18
50 cell	63	25
72 cell	100	40
84 cell	125	50
98 cell	80	32
Speedling Trays		
128 cell	40	16
200 cell	38	15
288 cell	43	17
3380 cell	50	20
392 cell	43	17
True 10"x20" Inserts		
804	43	17
806	50	20
1203	50	20
1204	53	21
1801	40	16
Slim Jim 8.5" x 20" Inserts		
606	38	15
806JS	40	16
1204JS	43	17

Cost of potting soil: 3.8 cf bale= \$ 8.99 2.8 cf bale= \$ 6.99

- You plan on potting up 250 sedum plants in 1-gallon nursery containers, for your spring school plant sale. How many 3.8 cf bales of potting mix will you need to order?

A. 2 bales B. 3 bales C. 4 bales D. 5 bales
- Determine the potting mix cost per pot from question #1. Add the sedum plant and pot total cost of \$ 1.25 each to get a total wholesale cost of: \$_____ How much should the retail cost be if you want to make about 3 times the wholesale cost?

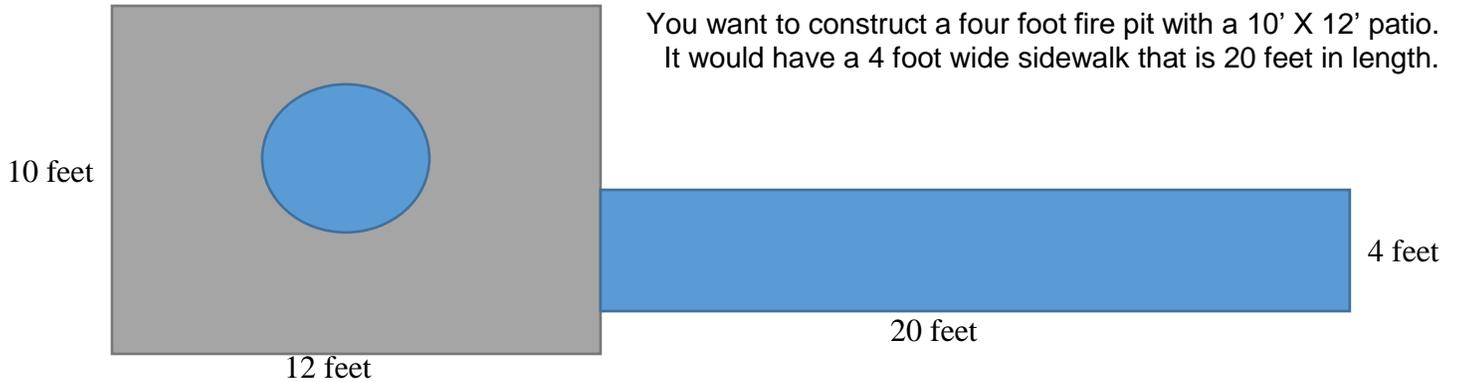
A. \$ 3.99 B. \$ 4.19 C. \$ 4.39 D. \$ 4.59
- You also plan on using 70, 36 cell propagation trays for growing your bedding plants to sell at the plant sale. How many 2.8 cf bales of potting mix will you need to order?

A. 3 bales B. 4 bales C. 5 bales D. 6 bales
- How much is the cost of the potting mix in question #3?

A. \$ 20.97 B. \$ 26.97 C. \$ 27.96 D. \$ 35.96
- What is the cost per cubic foot of potting soil, if you bought the 3.8 cf bale?

A. \$ 1.50 B. \$ 1.87 C. \$ 2.37 D. \$ 2.50

Calculate needed material for patio and sidewalk using pavers and keystone system



You want to construct a four foot fire pit with a 10' X 12' patio. It would have a 4 foot wide sidewalk that is 20 feet in length.

6. The total area to be constructed needs a gravel base that is six inches thick. How many cubic yards of gravel would you need? (Round up to next half cubic yard)
A. 4 cu. yards B. 4.5 cu. yards C. 7.5 cu. yards D. 8 cu. yards
7. The four foot diameter fire pit will have a 1/8 inch thick by 6 inch wide metal ring around the circumference. What length of metal would you need to buy?
A. 11 feet B. 13 feet C. 15 feet D. 17 feet
8. The pad around the fire pit will be made up of pavers. 4.5 pavers will cover one square foot. How many pavers will you have to buy? (The fire pit does not need them and you will need a few extra for cutting.)
A. 390 B. 440 C. 490 D. 540
9. The sidewalk will be composed of 2 inch thick concrete two foot by two foot squares. How many squares will you need to buy?
A. 20 B. 40 C. 60 D. 80
10. You are estimating a job using cinder blocks to build a two foot high retaining wall that is 60 feet long. You are using blocks that are 6" high, 12" wide, and 8" deep. One course of blocks must be placed below grade so the wall will not move. How many blocks will you need to order?
A. 240 B. 300 C. 360 D. 400

2018 MN FFA Nursery/Landscape Practium Key

- 1. C**
- 2. B**
- 3. B**
- 4. C**
- 5. C**
- 6. A**
- 7. B**
- 8. C**
- 9. A**
- 10. B**