

2003 STATE FLORICULTURE PROBLEM SOLVING

Student Name _____ Score _____

Chapter _____ Student Number _____

Directions: Choose the correct answer and write the letter for your answer in the blank.

- ___ 1. It takes 8 inches of florist wire to make a corsage. Florist wire comes in standard 18 inch lengths. How many pieces of wire should be purchased to make 30 corsages?
- 8
 - 15
 - 18
 - 30
- ___ 2. An invoice listed three available discounts: 3% for early payment, 5% for early ordering, and 4% for buying large quantities. The local florist qualified for all three discounts. What would the florist pay including 7% North Carolina sales tax if the original invoice before discounts is \$4,000.00?
- \$3,880.00
 - \$3,840.00
 - \$3,766.40
 - \$3,520.80
- ___ 3. The local florist is having a 25% off clearance sale on \$9.99 chrysanthemums. Including 7% N. C. sales tax, what is the reduced price?
- \$2.50
 - \$8.02
 - \$9.99
 - \$10.69
- ___ 4. If an ounce of flower seeds has 5,000 seeds with a 90% germination rate, how many ounces of seeds are needed to produce 9,000 seedlings?
- 1
 - 2
 - 3
 - 4
- ___ 5. The ribbon required for a decorator's bow is 1 piece 6 inches long, 1 piece 18 inches long, 1 piece 20 inches long, and one piece 30 inches long. How many yards of ribbon does a florist need to make 50 bows?
- 74
 - 103
 - 308
 - 3700

- ___ 6. A flower shop needs a new delivery van. The owner has two purchase options for the \$25,000.00 van.
Plan A: Pay cash and get a 15% discount
Plant B: Trade old van and get a \$3,000.00 allowance toward new purchase
Choosing Plan A over Plan B will:
- Cost \$750.00.
 - Save \$750.00.
 - Save \$3000.00
 - Save \$6750.00

- ___ 7. A North Carolina plant grower recently received serious damage to many plants from a storm. Expenses to date are listed below:

Utility costs	\$1,000.00
Labor costs	4,000.00
Materials and supplies	15,000.00

An inventory showed that 5,000 plants can be sold. What would be the price per plant to cover the expenses listed above?

- \$1.00
 - \$3.00
 - \$4.00
 - \$7.50
- ___ 8. It takes 1 cubic foot of potting media for five 10-inch hanging baskets. How many 3.5 cubic feet bags are needed to pot 3,500 hanging baskets?
- 200
 - 300
 - 350
 - 400
- ___ 9. A greenhouse has 4 benches 3 feet wide and 80 feet long. If the final spacing for 6-inch poinsettias is 15 inches X 15 inches, the maximum number of pots that should be placed in the greenhouse is:
- 225
 - 614
 - 960
 - 1200
- ___ 10. Chris has these items on his inventory: 10 benches @ \$500.00 each, 3 sprayers @ \$750.00 each, 1 greenhouse @ \$8,000.00, 10 gallons of chemicals @\$15.00 each, and 2000 plants @ \$5.00 each. What is his total inventory?
- \$9,270.00
 - \$22,550.00
 - \$25,400.00
 - \$34,475.00

