

☐ Take the Cake!



Check out the cake list and the prices. Does everything stack up the way it should according to the cake rules? If not, reorganize the price list.

Cake Rules

1. Angel-food cakes are the least expensive.
2. Cakes with spirals are the second most expensive.
3. Half-cakes cost more than angel food but less than cakes with chocolate.
4. Cakes with garlands or flowers are the most expensive.
5. Cakes with chocolate cost \$2.00 more than angel food cakes.

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\$5.00

\$4.75

\$9.50

\$6.75

\$10.50



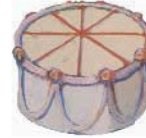
Angel Food
Cake



Spiral Cake



Half-cake



Garland Cake



Chocolate
Cake

Choose your cakes:

Now that you have corrected the price list, go shopping:

1. You have \$25.00 to spend on cakes. Which cakes would you choose in order to go home with the greatest number of cakes possible? You may only buy one cake of each type. How many did you buy? How much did you spend?

2. Starting out with \$30.00, you buy three different cakes and have \$5.00 in change. Which cakes did you buy?

Your turn:

Write a "Buy a Cake" problem based on the painting and trade with a partner. Solve the problem and hand it in to your teacher.

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Answers

1. You can buy various combinations, but no more than three cakes. For example, one angel food cake, one half-cake, and one chocolate cake costs \$16.50. Or you could get the most expensive cake (cake with garland), cake with spiral, and an angel food for \$24.75.
2. spiral cake + garland cake + half-cake=\$25.00, change is \$5.00