

The marketing department of a company has a budget of \$30,000 for advertising. A **television ad** costs \$1,000, a **radio ad** costs \$200 and a **newspaper ad** costs \$500. The department wants to run 60 ads per month, and wants to have as many radio ads as television and newspaper ads combined. How many of each type of ad should the department run each month?

At a carry-out pizza restaurant, an order of 3 slices of pizza, 4 breadsticks, and 2 juice drinks costs \$13.35. A second order of 5 slices of pizza, 2 breadsticks, and 3 juice drinks costs \$19.50. If four breadsticks and a juice drink cost \$0.30 **more** than a slice of pizza, what is the cost of each item?

A florist must make 5 identical bridesmaids bouquets for a wedding. She has a budget of \$160 and wants 12 flowers for each bouquet. Roses cost \$2.50 each, lilies cost \$4 each, and irises cost \$2 each. She wants twice as many roses as the other two types of flowers combined.

- a) Write a system of equations to represent the situation
- b) Solve the system of equations. How many of each type of flower should be in **each bouquet**?

You and two friends buy snacks for a field trip. You spend a total of \$8.00, Jeff spends \$9.00, and Curtis spends \$9.00. The table shows the amounts of mixed nuts, granola, and dried fruit that each person purchased. What is the price per pound of each type of snack?

	Mixed nuts	Granola	Dried fruit
You	1 lb.	0.5 lb.	1 lb.
Jeff	2 lb.	0.5 lb.	0.5 lb.
Curtis	1 lb.	2 lb.	0.5 lb.

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