

Name _____

Solve the following problems in your co-operative group. Organize your solutions neatly. Make certain each member of the group understands the solution. You will be called upon randomly to present a question.

1. You are purchasing pop for a birthday party. The bottles come in different sizes and costs. A 2L bottle costs \$2.20; a 1L bottle is on sale for \$1.39 and a 500mL bottle costs \$0.95. Which bottle(s) will you purchase for your party? Show your calculations and explain your thinking.
 2. You are shopping for a cell phone. The number of text messages you can send will be the determining factor for which plan you choose. Plan A offers you 600 texts for \$15. Plan B offers you 800 texts for \$25. Which plan will you choose? What other factors might help you determine which plan to go with?
 3. Which package is more economical?
300 g of jujubes for \$2.50, or 500 g of jujubes for \$3.20
 4. A grocery store sells a case of 24 – 500mL bottles of water for \$2.99. They also sell a case of 6 – 1.5L bottles for \$2.99. Which bottles are the best buy? How much are you saving per litre?
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1. Sue and Jim are driving on the highway. Sue takes 24 minutes to drive 40 km. If Jim drives at the same rate, how long will it take for him to drive 115 km?

2. You are downloading songs for your mp3 player. Six songs cost \$5.94. You want to buy 4 songs, how much would that cost? How much would it cost for 8 songs?