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# **Linear Programming Worksheets**

- 1) Janet Swifteagle wants to purchase at least 30 minutes of computer time from a time-sharing computer company. She needs at least 7 minutes of time from Computer A. The time-sharing company will rent Computer A only if the user agrees also to rent Computer B for at least 15 minutes. The rent for Computer A is \$500 per minute and the rent for Computer B is \$200 per minute. In order to minimize the total cost, how much computer time should Janet buy on each machine?
- 2) You are stenciling wooden boxes to sell at a fair. Stenciling takes 3 hours for a small box and 4 hours for a large box. Profit for a small box is \$20 and for a large is \$40. If you have no more than 20 hours available to but want at least 14 boxes to sell, how many of each size box should you sell to maximize your profit?



When you learn math in an interesting way, you never forget.



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## Why choose Cuemath?

"Cuemath is a valuable addition to our family. We love solving puzzle cards. My daughter is now visualizing maths and solving problems effectively!"

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Gary Schwartz

- Kirk Riley

- Barbara Cabrera

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