



## Hassan's a Hit!

Hassan's pictures are indeed a big hit, especially the watercolors. Based on his success, he is raising his prices as he planned in *Homework 8: Curtis and Hassan Make Choices*. That is, he will now earn a profit of \$50 on each pastel and \$175 on each watercolor.

Assume that Hassan still has the same constraints. That is, he still has only \$180 to spend on materials and can make at most 16 pictures. He had already figured out, with the old prices, how many of each type of picture he should make to maximize his overall profit.

If Hassan wants to maximize his overall profit with the new prices, should he now change the number of pictures he makes of each type? Explain your answer.