

## *Concept Task*



### **Calling Plans**

Long-distance Company A charges a base rate of \$5 per month, plus 4 cents per minute that you are on the phone. Long-distance Company B charges a base rate of only \$2 per month, but they charge you 10 cents per minute used.

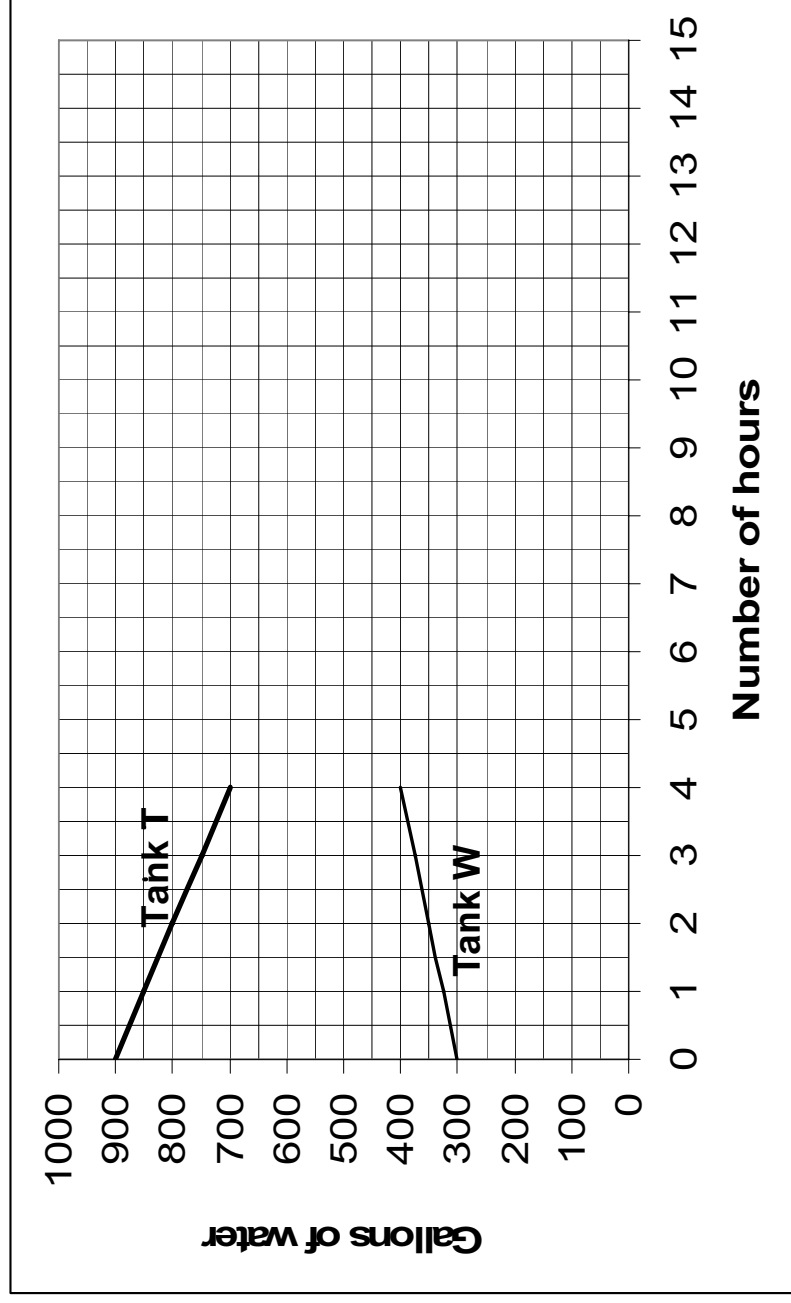
How much time per month would you have to talk on the phone before subscribing to Company A would save you money?

(Achieve, Inc., 2002)

## Concept Task

### Two Storage Tanks

Two large storage tanks, T and W, contain water. T starts losing water at the same time additional water starts flowing into W. The graph below shows the amount of water in each tank over a period of time.



Assume that the rates of water loss and water gain continue as shown. At what number of hours will the amount of water in T be equal to the amount of water in W? Show or explain how you found your answer.  
(From NAEP Released Items, 2003-8M10 No. 13)

# Concept Task

## CAL'S DINNER CARD DEALS

The graph below shows data for three dinner plans. Make observations about each of the graphs. What is the formula for determining the cost of each dinner plan? Decide which plan is the best and explain your reasoning.

