

**PICKING A PLAN**

The phone company has two payment options as shown below.

**Plan #1:** \$1 per month plus 9 cents for each call

**Plan #2:** \$15 per month, 30 free calls and 17 cents per call after 30 calls

- a) Suppose you must keep your monthly bill under \$20. How many calls can you make if you choose Plan #1? How many calls can you make if you choose Plan #2?
- b) When does it make sense to choose Plan #1? When does it make sense to choose Plan #2?
- c) Which of these plans would you choose for your family? Why?

[Source: A Guide to K-12 Program Development in Mathematics, State of Connecticut]