

Comparing Cell Phone Plans

Choosing a Plan

The Tick Talk Telephone company offers these plans:

- a. Plan A: a flat rate of \$44 / month, unlimited calling
- b. Plan B: a rate of 3 cents per minute
- c. Plan C: a rate of \$22 for up to 1800 minutes, plus 10 cents per minute after that

Three students need to choose a plan:

Silent Sam, who talks on the phone for about two hours in a typical month,
Chatty Cathy, who talks for about fifty hours, and
Mathy Mary, who talks for about fifteen hours.

1. Figure out the best plan for each kid.
2. Find the range of minutes that would make each plan the cheapest one.