



Problem of the Week

Problem A

Deciding About Data

The Webb family is trying to decide on a new monthly internet plan. There are three choices:

Plan A: \$10 for the first 10 GB of data, and each additional 2 GB costs \$5.

Plan B: \$40 for the first 20 GB of data, and each additional 10 GB costs \$10.

Plan C: \$80 for unlimited GB of data.

Note that for Plan A, additional data has to be purchased in 2 GB increments. Similarly, for Plan B, additional data has to be purchased in 10 GB increments.

After keeping track of data used, the family decides they will use between 25 GB and 40 GB of data each month. Which plan should the Webb family choose?

Justify your answer.

