



Activity A: Decisions, decisions, decisions!

With this activity, students can demonstrate their skills in the following areas:

- construct tables of values, graphs, and equations, using a variety of tools, to represent linear relations derived from descriptions of realistic situations; and
- explain the link between the mathematical concepts studied in class and the development of essential numeracy skills and their application in daily life.

Instructions:

1. Read the following problem situation:

Your parents give you a cell phone for your birthday. They have paid for the telephone and the start-up fees. The monthly bill (user fees, taxes and caller plan) is \$35.00.

The agreement is that you will pay half of the monthly bill and any additional costs incurred depending on your use of the telephone. You take a babysitting job so that you can pay these bills. You have two job offers and you have to decide which is the best one to take so that you can pay your monthly cell phone bill.

2. Prepare a table of values, a graph and an equation that illustrate the cumulative amount (saved) and that will help you to interpret the facts about both jobs in order to make your choice.

Job A: looking after 2 children, ages 2 and 4, after school from 3:00 to 5:30 for \$5/hour.

Job B: looking after 1 child, age 7, every Saturday (4 per month) from 9:00 to 5:00 for \$5/hour.

