



Problem of the Week

Problem C

You Can't Go Back?

On your 13th birthday you received three different time-travel pedometers. You want to use your pedometers to travel back to your 8th birthday. You may use your pedometers as often as you wish but only one at a time.

- Each time you use Pedometer A, take exactly 7 steps forward. This will result in you going back 4 months in time.
- Each time you use Pedometer B, take exactly 5 steps backward. This will result in you going back 7 months in time.
- Each time you use Pedometer C, take exactly 2 steps forward. This will result in you going back 3 months in time.

In traveling back to your 8th birthday, you made a total of 25 backward steps and had a total of 12 pedometer uses.

How many forward steps did you take while using your pedometers?

