

LOCKERS

You are in a hallway lined with 100 lockers.

You begin by opening **every** locker.

Your friend goes behind you and closes **every second** locker.

You start at the beginning of the hall again and at **every third** locker, you do the opposite of what it is - you close the open ones and open the closed ones.

Your friend goes behind you and, at **every fourth** locker, does the opposite of what it is - closes the open ones and opens the closed ones.

This process and pattern continue until each of you have gone down the hall 50 times (100 times total).

At this point, which lockers are still open?



Kristen