Landbeach Bell Ringers Worksheet 2

Become a conductor - calling changes

Last week we learned that to get between Rounds and Swapsies we swap every pair of adjacent bells:

Rounds: 1 2 3 4 5 6 7 8
Swap 1 & 2, 3 & 4, 5 & 6, 7 & 8
The proper way of saying this is:
1 to 2, 3 to 4, 5 to 6, 7 to 8
Swapsies: 2 1 4 3 6 5 8 7

Here is one way to get from Rounds to Queens (Waterfall):

Rounds: 1 2 3 4 5 6 7 8
Change: 2 to 3
Row (no special name): 1 3 2 4 5 6 7 8
Change: 4 to 5
Row (no special name): 1 3 2 5 4 6 7 8
Change: 6 to 7
Row (no special name): 1 3 2 5 4 7 6 8
Change: 2 to 5
Row (no special name): 1 3 5 2 4 7 6 8
Change: 4 to 7
Row (no special name): 1 3 5 2 7 4 6 8
Change: 2 to 7
Queens (Waterfall): 1 3 5 7 2 4 6 8

This is not the only way! What makes bell ringing interesting is that there are so many different ways of doing the same thing.

Now your turn

First, reverse the changes above, to get back from Queens to Rounds. Write the rows and changes on a piece of paper and bring it with you next week.

Next, think of a different sequence of changes that will get you from Rounds to Queens. Write them out, too. There are lots of ways of doing it, so there is no right answer. You might want to use the fewest number of changes, or you might want to include other nice-sounding changes, such as Tittums, along the way. Next week's worksheet will show you how to include:

Tittums: 1 5 2 6 3 7 4 8