

Worksheet #3 Another Elevating Experience

The apartment building next to mine has an elevator exactly like the one in my building, with an 8-floor up-button and an 11-floor down-button, as in the previous problem, but the number of floors is not the same. It is possible to get from any one floor to any other floor. However, if the building had one fewer floor it would be impossible to do this. Can you determine how many floors are in this building?