# Neighbourly Addition

As I walked down the street this morning, I noticed that all of my neighbours' house numbers were odd!  
  
     
  
I added three house numbers together as I walked past: 7 + 9 + 11 = 27  
Further down the road, I passed some bigger numbers. I added another set of three neighbouring house numbers: 15+17+19 = 51  
  
**Can you find some other totals I could make, by adding together the house numbers of three (odd) next-door-neighbours?**  
  
  
Once you've found a few totals, here are some questions you might like to explore:  
  
Is there anything special about all the totals?  
Is there a quick way to work out the total?  
Can you predict what would happen if I walked down the other side of the street instead (where all the houses have even numbers)?  
  
Are there any patterns if I add together four house numbers instead of just three?  
Or five house numbers?  
Or...  
  
Can you explain and justify the patterns you have noticed?