

# READY FOR A CHALLENGE?

## Directions:



case #1



case #2



case #3



Does there appear to be a pattern or relationship?



Sketch what case #4 and #5 would look like?



How many cinnamon rolls would be in case #10?



What about case #100?

Key:

Case 4=25 cinnabuns Case 5=36 cinnabuns

Case 10=121 cinnabuns

Case 100=10,201

$(n + 1)^2$  where  $n$  is the case number