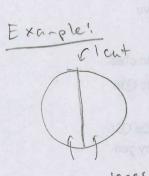
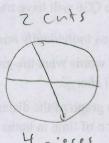


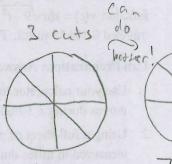
Problem: If you are only allowed to make k straight-line cuts, what is the largest number of pizza "slices" you can make? What about the largest number of pieces with no crust?



two pieces both have crust



all have crust.



1 pieces 1 10 crust

Give it a shot on your hardout!

Let Pk = largest # of pieces with k cuts

Pattern? PK = PK-1+K = ... = 2+2+3+4+..+K Reason: Each added time intersects previous (K-1) lines, adding K new pieces.
What if you want to Know P,523? Need formula!

(k+1) + (k+1)+... + (k+1) k times!

