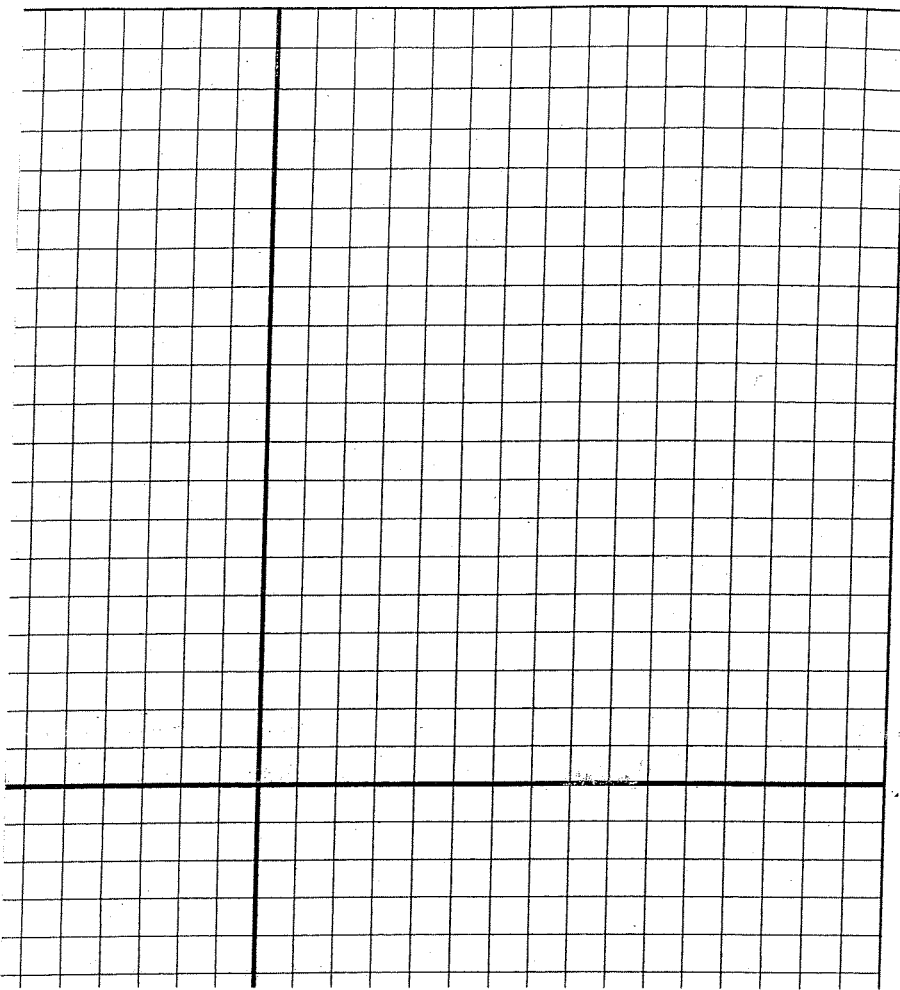
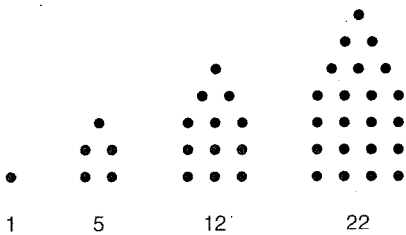


P_n  n

Pentagonal numbers. (After the first figure these are five-sided figures composed of figures for triangular numbers and square numbers.)



Let P_n = the n^{th} pentagonal number
Find P_5 , P_6 and P_7 .

Choose an appropriate scale and graph
the relationship between P_n and n .

Specify a rule for determining
the value of P_n for any n .