



Odds, Evens and More Evens

Alison started by thinking:

"I have noticed that each number is double the number in the row above.
I wonder if I can work out what would go in the rows above 1000?"

Bernard started by thinking:

"I have noticed that in A_1 , the numbers which end in a 0 are 10, 30, 50...
If I carry on going up in 20s I won't hit 1000, so I know 1000 isn't in A_1 ."

Charlie started by thinking:

"I have noticed that each number in A_1 is 2 more than a multiple of 4.
I know 1000 is 250×4 so it can't be in A_1 ."

Can you take each of their starting ideas and develop them into a solution?