Workout

1 3 6 10 15 21 28 36 45 55
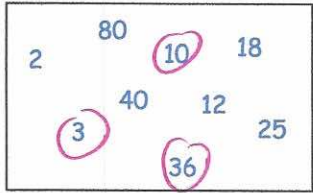
Question 1:   Write down the first 10 triangular numbers.

Question 2:   From the box, list any triangular number.

3 , 10 , 36

	80		
2		10	18
	40	12	
3			25
	36		

Apply

Question 1:   Write down two numbers that are triangular numbers **and** square numbers.

1 , 36

Question 2:   Hannah adds together two consecutive triangular numbers.
What kind of number does Hannah get?   Square numbers

Question 3:   At a party, everybody shakes hands with each other, once.
Work out how many handshakes there are in total, if there are

(a) 4 people at the party   6

(b) 5 people at the party   10

(c) 8 people at the party   28