



1. Give a possible rule for each of these sequences :-
  - (a) 2, 4, 6, 8, ...
  - (b) 5, 10, 15, 20, ...
  - (c) 3, 6, 12, 24, ...
  - (d) 1, 3, 9, 27, 81, ...
  - (e) 64, 32, 16, 8, ...
  - (f) 11, 7, 3, -1, -5, ...
  - (g) 100, 10, 1, 0.1, ...
  - (h) 4, 6, 9, 13.5, 20.25, ...
  
2. Write the next 3 numbers in each sequence :-
  - (a) 11, 14, 17, 20, ...
  - (b) 4, 8, 16, 32, ...
  - (c) 40, 20, 10, ...
  - (d) 100 000, 10000, 1000, ...
  - (e) 76, 65, 54, 43, ...
  - (f) 5, 6, 8, 11, 15, ...
  - (g) 1, 4, 9, 16, 25, ...
  - (h) 1, 1, 2, 3, 5, 8, 13, 21, ...
  - (i) 1, 3, 6, 10, 15, ...
  - (j) 2, 3, 5, 7, 11, 13, 17, ...
  
3. List all the square numbers from 100 to 300.
  
4. Find :-

	(a) $\sqrt{64}$	(b) $\sqrt{49}$	(c) $\sqrt{144}$
	(d) $\sqrt{121}$	(e) $\sqrt{625}$	(f) $\sqrt{10000}$ .
  
5. Write down the next five terms of the sequence:  
1 3 6 10 15 ...  
  
Can you name this sequence?
  
6. Write down the next five terms of the sequence:  
1 1 2 3 5 8 ...  
  
Can you name this sequence?