## **LEVEL 6**

#### **MATHEMATICS**

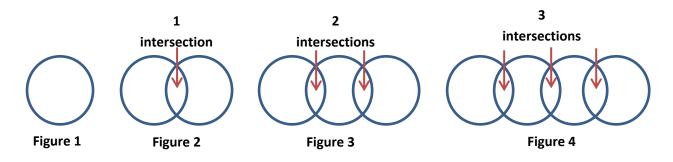
## **REVISION WORKSHEET 3**

#### **CHAPTER 7: NUMBER PATTERNS**

1. Fill in the blan	ks:
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( ı Y	The general	term of a se	equence is given	acı =
<i>ر</i> ب ۱	THE SCHEIGH	term or a se	quence is given	us in -

- 2. For the following sequences, state a rule and write down the next two terms:
- (i) 0, 10, 20, 30, 40, .....
- (ii) -22, -18, -14, -10, -6,...
- (iii) 100, 98, 95, 93, 90, ....
- 3. The  $n^{th}$  term  $T_n$  of a sequence is  $T_n = 4n + 7$ , find
- (i) the 4<sup>th</sup> term
- (ii) the sum of 4<sup>th</sup> and 7<sup>th</sup> term
- 4. The first four figures of a sequence are as shown:



(i) Draw the next two figures of the sequence.

# (ii) Complete the table

Figure Number	No : of intersection(s) between the circles
1	0
2	1
3	
4	
5	
6	
•	
•	•
•	•
n	

(iii) Find the value of n for which the circles in the figure have 28 intersections.