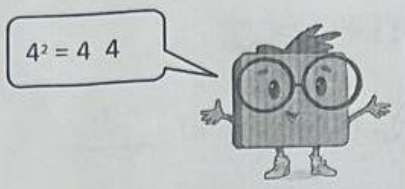
Worksheet C: Make Special Number Sequences

1. Find the values of each of the following.



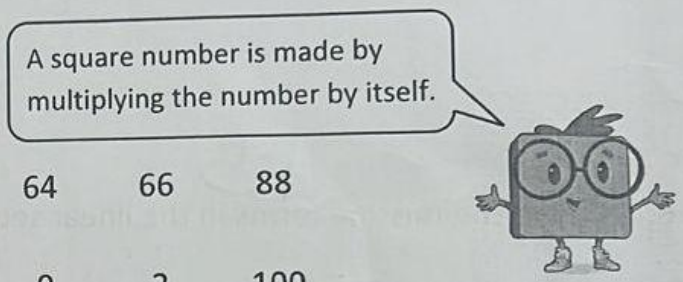
(a) 4^2 = _____

(b) 3^2 = _____

(c) 5^2 = _____

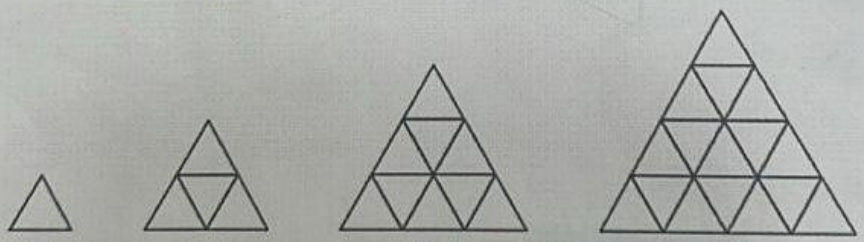
(d) 7^2 = _____

2. Circle the square numbers.



17	25	38	36	64	66	88
81	1	55	16	9	2	100

3. Complete the sequence.

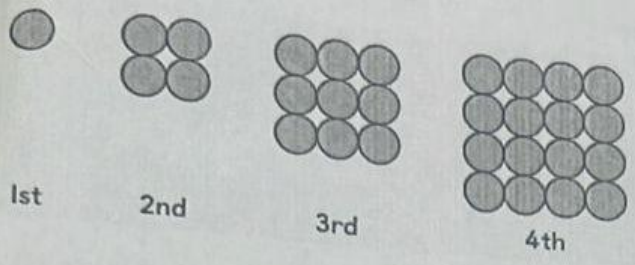


1st term	2nd term	3rd term	4th term	5th term	6th term
1	4	9			

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LIVEWORKSHEETS

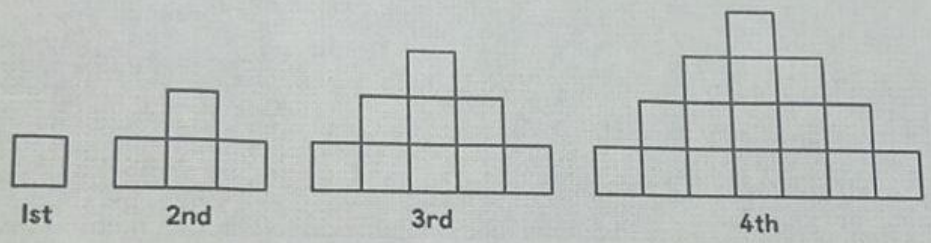
Look at the pattern below.



Complete the sequence.

1st term	2nd term	3rd term	4th term	5th term	6th term
1	4				

5. Look at the pattern below.



(a) Complete the sequence.

1st term	2nd term	3rd term	4th term	5th term	6th term
1	4				

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6 Ralph looks at the chessboard pattern below.



He records the size of each term and the number of squares he sees in the table below.

Size of chessboard	1 × 1	2 × 2	3 × 3	4 × 4	5 × 5	6 × 6
Number of squares	1	5	14	30		

a Complete the table. How did you do it?

b What pattern do you notice between the size of the chessboard and the total number of squares?

Make a generalisation about the number of squares on any chessboards.

Tick (✓) to show what you can do.

- ☐ I can recognise square numbers from 1 to 100.
- ☐ I can recognise and extend spatial patterns of squares and triangular numbers.

Activity Book
Worksheet 2C

LIVEWORKSHEETS