GRADE O8

MATHEMATICS

NUMBER PATTERNS

1. What is the 18th term of the even number pattern which begins with 2?
2. In the term 2, 4, 6, 8,… which term is 156?
3. What is the 27th term of the odd number pattern which begins with 1 ?
4. Find the 36th term of the odd number pattern which begins with 1?
5. In the odd number pattern 1, 3, 5, 7, … which term is 99?
6. Find the 45th multiple of 4.
7. Find the 17th term of the number pattern 6,12,18,24,…
8. What is the 29th even number?
9. What is the 24th odd number?
10. Find the 13th multiple of 5.
11. Which even number is 176?
12. Which odd number is 195?
13. What is the 48th multiple of 3?
14. What is the even number greater than 100 , but closest to 100?
15. What is the largest odd number less than 300?
16.
    a. Which even number is 204?
    b. Which multiple of 3 is 204?
    c. Which multiple of 4 is 204?
    d. Which multiple of 6 is 204?
    e. Which multiple of 12 is 204?

SQUARE NUMBERS AND TRIANGULAR NUMBERS

1. Write all the square numbers from 1 to 625.
2. In the square number pattern 1,4,9,16,… which term is 225?
3. If the first square number is considered as S_1, second as S_2 and the third is S_3 and so on , find the value of
    i. S_8
    ii. S_{20}
    iii. S_{16}
4. By considering the first triangular number as T_1, the second as T_2 and the third as T_3 and so on, find the value of
    i. T_{12}
    ii. T_{21}
    iii. T_{36}

PERIMETER

1) Calculate the perimeter of following figures.(measurements are given in cm)

8   8

6   1   4

3

4

6   1

7

8   8

5   5

5

9

3

10

7

2

4   1

12
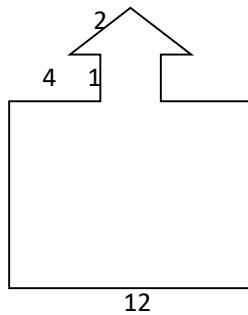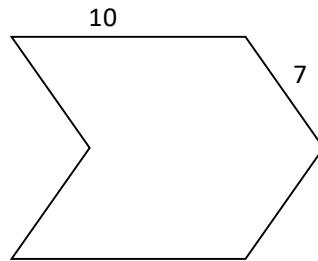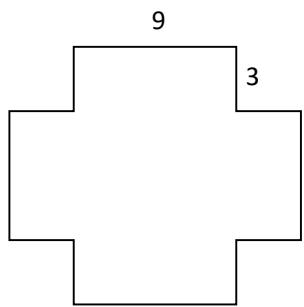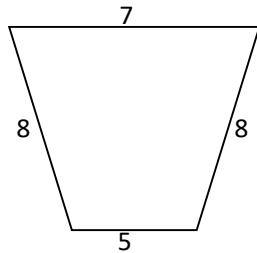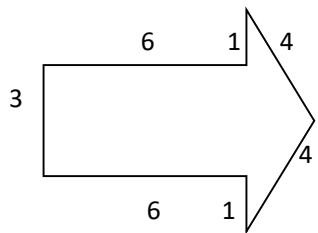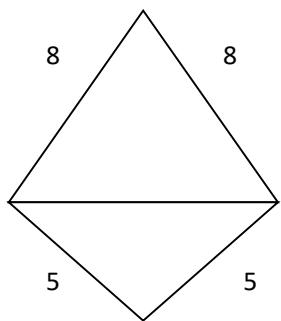
2) An equilateral triangle is drawn on one side of a square.