KENDRIYA VIDYALAYA SANGATHAN, GUWAHATI REGION
HALF YEARLY EXAMINATION , 2018
CLASS VI
MATHEMATICS (SET 1)

**TIME 3 HOURS**   **MAXIMUM MARKS – 80**

INSTRUCTIONS-

1. The question paper contains 30 questions divided into four sections A, B, C,D .

2. Section A has 6 questions of 1 mark each. Section B has 6 questions of 2 marks each .

   Section C has 10 questions of 3 marks each and Section D has 8 questions of 4 marks each.
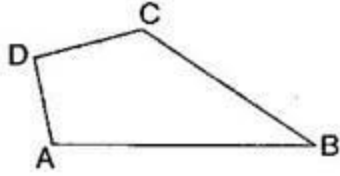
SECTION A

1. Write 69 in roman numerals .

2 . .Write opposite of 100 m above sea level ?

3. Name the polygon :

4. Write all the factors of 21 .

5. Which is the smallest whole number?

6. Express $\dfrac{7}{3}$ as mixed fraction .
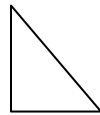
SECTION B

7. Draw any polygon and shade its interior.

8. What are the number of faces and vertices a cube have ?

9. Use number line and add the integers 9 + (−6)

10. Name any two angles in the given figure:

11. Find the common factors of 15 and 25 .

12. Find the product using suitable property : 854 x 102

SECTION C

13. .Three tankers contain 403 liters and 465 liters of diesel respectively. Find the maximum capacity of a container that can measure the diesel of three containers exact number of times.

14. Name each of the following triangles in two different ways
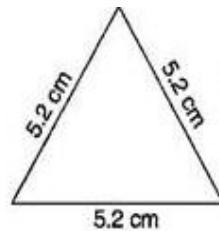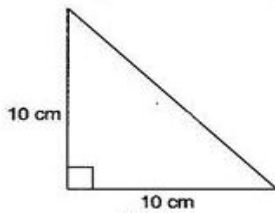
15. Write the next three natural numbers after 10999.

16. Draw a number line and answer the following:

   (a) Which number   will we reach if we move 4 numbers to the right of –2.

(b)Which number will we reach if we move 5 numbers to the left of 1.

17. Find the difference between the greatest and the least number that can be written using the digits   6, 2, 7, 4, 3 each only once.

18. Using divisibility test, determine whether 901153 divisible by 11 or not ?

19. Use the figure to name:
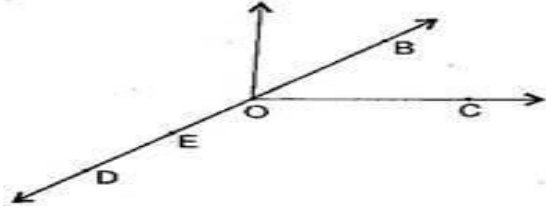
(a) A line   (b) Four rays

20. Write three equivalent fractions of $\frac{1}{2}$.

21. Write the fraction representing the shaded portion:
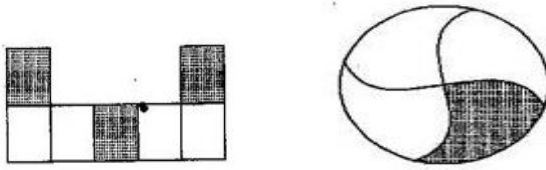
22. Fill in the blanks with >, < or = sign:

(a) 45 – (–11) _____ 57 + (–4)   (b) (–3) + (–6) _____ (–3) – (–6)

SECTION D

23. From the figure, identify:
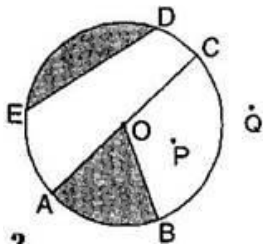
(a)The centre of circle.   (b) point in the exterior.

(c) A chord.   (d) A sector.

24. Estimate using general rule:

      (A) 730 + 998   (B) 578 x 161

25. A vendor supplies 32 liters of milk to a hotel in a morning and 68 liters of milk in the evening. If the   milk costs 15 per liter, how much money is due to the vendor per day?

26. Find the angle measure between the hands of the clock in each figure:

9.00 a.m.   1.00 p.m.

27. Nandini house is 910 km from her school. She walked some distance and then took a bus for 12 km to reach the school. How far did she walk?

28. Find: a) 50 – (–40) – (–2)   b) 35 – (20)

29. (a) Write all the factors of 24.

    (b) Write first five multiples of 8.

30. State whether the statement is true or false:

a)Each angle of a rectangle is a right angle.

b) Squares, rectangles, parallelograms are all quadrilateral.