

KENDRIYA VIDYALAYA IIT CAMPUS CHENNAI-36

SUMMATIVE ASSESSMENT - II (2016-2017)

CLASS - VI

MATHEMATICS

TIME :  $2\frac{1}{2}$  HRS

MARKS : 60

This question paper contains four sections.

Section A carries 6 questions each 1 mark

Section B carries 5 questions each 2 marks

Section C carries 8 questions each 3 marks

Section D carries 5 questions each 4 marks

SECTION - A

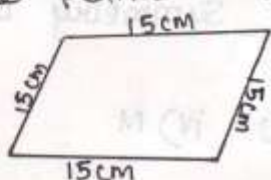
(6 x 1 = 6)

- $\frac{6}{10}$  is the equivalent fraction of  
a)  $\frac{2}{3}$     b)  $\frac{1}{6}$     c)  $\frac{3}{5}$     d)  $\frac{5}{9}$
- 2 tens and 9 tenths as decimals is  
a) 2.9    b) 20.9    c) 2.09    d) 20.007
- In tally chart the number indicated by  $\text{||||}$  is  
a) 6    b) 5    c) 2    d) 3
- The ratio of 8 books to 20 books is  
a) 2:5    b) 5:2    c) 4:5    d) 5:4
- How many lines of symmetry a scalene triangle has?  
a) one    b) two    c) three    d) none
- The instrument to measure an angle is a  
a) Ruler    b) protractor    c) Divider    d) compasses

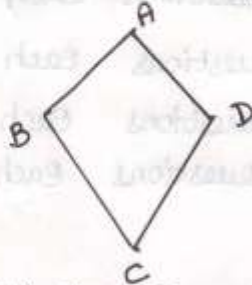
SECTION - B

(5 x 2 = 10)

- What fraction of a day is 8 hours?
- Find the perimeter of the following figures:



9. In a school there were 73 holidays in one year. what is the ratio of the number of holidays to the number of days in one year?
10. Is there any line of symmetry in the figure? If yes draw all the lines of symmetry?



11. Definition of circle?

SECTION - c (8 X 3 = 24)

12. Express the following as mixed fractions!
- a)  $\frac{20}{3}$       b)  $\frac{35}{9}$
13. write each of the following as decimals!
- a)  $3 + \frac{7}{10}$       b)  $200 + 60 + 5 + \frac{1}{10}$
14. Explain Bar graph and how to draw a bar graph.
15. Find the perimeter of a triangle with sides measuring 10cm, 14cm and 15cm.
16. Find the cost of fencing a square park of side 250m at the rate of ₹ 20 per metre.
17. Cost of a dozen pens is ₹ 180 and cost of 8 ball pens is ₹ 56. Find the ratio of cost of a pen to the cost of a ball pen.
18. How many lines of symmetry do the following alpha bet's have?
- i) v    ii) x    iii) u    iv) M

19. with the same centre O, draw two circles of radii 4 cm and 2.5 cm.

SECTION - D

(5 × 4 = 20)

20. Nandini's house is  $\frac{9}{10}$  km from her school. She walked some distance and then took a bus for  $\frac{1}{2}$  km to reach the school. How far did she walk?

21. Sunita travelled 15 km 268 m by bus, 7 km 7 m by car and 500 m on foot in order to reach her school. How far is her school from her residence?

22. Tiger's count in Indian forest in the last 100 years is as follows.

Year :	1900	1960	2002	2007
No :	40000	18000	3650	1400

a) Make a bar graph to represent the above data

b) What idea is promoted here?

23. Five square flower beds each of sides 1 m are dug on a piece of land 5 m long and 4 m wide. What is the area of the remaining part of land?

24. A truck requires 108 litres of diesel for covering a distance of 594 km. How much diesel will be required by the truck to cover a distance of 1650 km?