

**KENDRIYA VIDYALAYA GACHIBOWLI , HYDERABAD - 32**  
**SAMPLE PAPER 01 FOR SA - II (2016-17)**

**SUBJECT: MATHEMATICS**

**BLUE PRINT : SA-II CLASS VI**

<b>Unit/Topic</b>	<b>VSA (1 mark)</b>	<b>Short answer (2 marks)</b>	<b>Short answer (3 marks)</b>	<b>Long answer (4 marks)</b>	<b>Total</b>
Fractions	1(1)	1(2)	1(3)	1(4)	<b>4(10)</b>
Decimals	1(1)	1(2)	1(3)	1(4)	<b>4(10)</b>
Data Handlings	2(2)	1(2)	1(3)	--	<b>4(7)</b>
Mensuration	1(1)	1(2)	1(3)	1(4)	<b>4(10)</b>
Ratio and proportions	1(1)	1(2)	1(3)	1(4)	<b>4(10)</b>
Symmetry	1(1)	1(2)	1(3)	--	<b>3(6)</b>
Practical Geometry	1(1)	--	2(6)	--	<b>3(7)</b>
<b>Total</b>	<b>8(8)</b>	<b>6(12)</b>	<b>8(24)</b>	<b>4(16)</b>	<b>26(60)</b>

**MARKING SCHEME FOR SA – II**

<b>SECTION</b>	<b>MARKS</b>	<b>NO. OF QUESTIONS</b>	<b>TOTAL</b>
<b>VSA</b>	1	8	08
<b>SA – I</b>	2	6	12
<b>SA – II</b>	3	8	24
<b>LA</b>	4	4	16
<b>GRAND TOTAL</b>			<b>60</b>

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**SAMPLE PAPER 01 FOR SA - II (2016-17)**

**SUBJECT: MATHEMATICS**  
**CLASS : VI**

**MAX. MARKS : 60**  
**DURATION : 2½ HRS**

**General Instructions:**

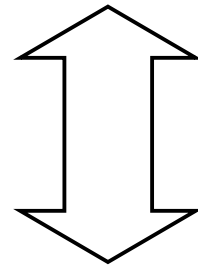
1. All questions are compulsory.
2. Question paper is divided into four sections: Section A consists 8 questions each carry 1 marks, Sections B consists 6 questions each carry 2 marks, Sections C consists 8 questions each carry 3 marks and Sections D consists 4 questions each carry 4 marks

**SECTION – A**

Following table shows the number of bicycles manufactured in a factory during the year 1998 to 2002. Read the table and answer the questions given bellow (Q3 & Q4)

Years	No.of bicycles manufactured
1998	800
1999	600
2000	900
2001	1100
2002	1200

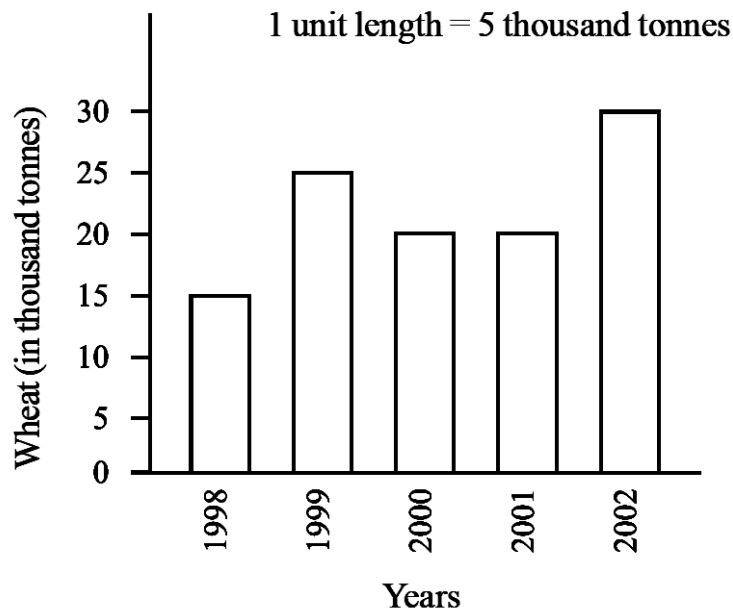
1. In which year were the maximum number of bicycles manufactured ?
2. In which year were the minimum number of bicycles manufactured ?
3. The length of Ramesh’s notebook is 9 cm 5 mm. What will be its length in cm?
4. Express the mixed fraction  $5\frac{3}{7}$  as improper fractions.
5. Find the area of a rectangle whose length and breadth are 12 cm and 4 cm respectively.
6. Find the ratio of 30 minutes to 1.5 hours
7. Draw a line segment of length 7.3 cm using a ruler.
8. Find the number of lines of symmetry of the following figure:



**SECTION – B**

9. Rashid spent Rs 35.75 for Maths book and Rs 32.60 for Science book. Find the total amount spent by Rashid.
10. Simplify:  $\frac{1}{2} + \frac{1}{3} + \frac{1}{6}$
11. Divide Rs 60 in the ratio 1 : 2 between Kriti and Kiran.
12. Pinky runs around a square field of side 75 m, Bob runs around a rectangular field with length 160 m and breadth 105 m. Who covers more distance and by how much?








13. On a squared paper, sketch the triangle with a horizontal line of symmetry but no vertical line of symmetry.
14. The bar graph given alongside shows the amount of wheat purchased by government during the year 1998-2002. Read the bar graph and write down your observations. In which year was (a) the wheat production maximum? (b) the wheat production minimum?



### SECTION – C

15. Subtract :
- (a) Rs 18.25 from Rs 20.75
- (b) 202.54 m from 250 m
16. 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?
17. State the number of lines of symmetry for the following figures: (a) An equilateral triangle (b) An isosceles triangle (c) A square
18. A piece of string is 30 cm long. What will be the length of each side if the string is used to form : (a) a square? (b) an equilateral triangle? (c) a regular hexagon?
19. Draw a line segment of length 9.5 cm and construct its perpendicular bisector.
20. Construct with ruler and compasses, angles of following measures: (a)  $60^\circ$  (b)  $90^\circ$
21. Out of 1800 students in a school, 750 opted basketball, 800 opted cricket and remaining opted table tennis. If a student can opt only one game, find the ratio of
- (a) Number of students who opted basketball to the number of students who opted table tennis.
- (b) Number of students who opted cricket to the number of students opting basketball.
- (c) Number of students who opted basketball to the total number of students.

22. Following is the pictograph of the number of Auto manufactured by a factory in a particular week.

Days	Number of Maruti Van manufactured	 = 300 Autos
Monday		
Tuesday		
Wednesday		
Thursday		
Friday		
Saturday		

- On which day were the least number of Auto manufactured?
- On which day were the maximum number of Auto manufactured?
- Find out the approximate number of Auto manufactured in the particular week?

### SECTION – D

23. Express as kg using decimals.

- |            |              |
|------------|--------------|
| (a) 2 g    | (b) 100 g    |
| (c) 3750 g | (d) 5 kg 8 g |

24. In mid-day meal scheme  $\frac{3}{10}$  litre of milk is given to each student of a primary school. If

$\frac{2}{5}$  litre of milk is given to each student during breakfast, how much milk is given to each student in the school? What are the benefits of drinking milk daily?

25. Cost of 5 kg of wheat is Rs 30.50.

- What will be the cost of 8 kg of wheat?
- What quantity of wheat can be purchased in Rs 61?

26. How many tiles whose length and breadth are 12 cm and 5 cm respectively will be needed to fit in a rectangular region whose length and breadth are respectively: (a) 100 cm and 144 cm (b) 70 cm and 36 cm.

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