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WISDOMISING KNOWLEDGE

CBSE Sample Paper class 6 Maths Set 4

CLASS –VI
SUBJECT- MATHEMATICS

TIME ALLOWED: 2 ½ Hrs. **Max. Marks : 60** General Instructions :-

1. All questions are compulsory.
2. The question paper consist of 25 questions divided into four Sections A,B,C and D.
3. Each question of sections A is of 1 mark, section B is of 2 marks each, Section C is of 3 marks each and section D of 4 marks each(total 60 marks).
4. The Diagrams and constructions should be drawn neatly.
5. Attach the graph paper(s) inside the sheet and mention your name roll number on it.

Section – A

1. …….is a collection of numbers gathered to give some information.

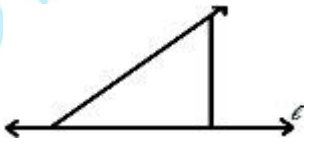
2 Find the ratio of 6 to 30.

3. Write $\frac{48}{60}$ in simplest form.

4. Write $\frac{98}{1000}$ in decimal form.

5. Draw an equilateral triangle and draw and its line of symmetry.

6. In the figure, l is the line of symmetry. Complete the diagram to make it symmetric



Section-- B

7. Fill in boxes with < , > :

(a) $\frac{6}{10} \square \frac{4}{5}$

(b) $\frac{15}{25} \square \frac{2}{10}$

8. Find the ratio of :

30 cm to 1.5 m

9. Draw a number line and locate the following points on it.
$\frac{1}{4}, \frac{4}{4}, \frac{6}{4}, \frac{1}{2}$

10. Write 200.876 in the place value chart.

11. Subtract 5.36 from 20.25.

12. Draw a triangle which has exactly one line of symmetry . Also name the triangle.

13. Draw a line segment AB = 5.5 cm and draw its perpendicular bisector?

Section C

14. Following table shows the number of bicycles manufactured in a factory during the years 1998 to 2002.Illustrate this data using a bar graph . Choose a scale of your choice.

Years	Number of bicycles manufactured
1998	800
1999	600
2000	900
2001	1000
2002	1200

15. There are 20 girls and 30 boys in a class

(a) What is the ratio of number of girls to the total number of students in the class.

(b) What is the ratio of number of girls to the number of boys in the class.

16. Find the equivalent fraction of $\frac{36}{48}$ with

(a) numerator 9 (b) denominator 4

17. Write as fraction in lowest term

(a) 0.50 (b) 0.05 (c) 0.25

18. A rectangular floor is 5m long and 4m wide. A square carpet of side 3m is laid on the floor. Find the area of the floor that is not carpeted.

19. Draw a line segment $\overline{AB}$ of length 8cm.Mark a point M on it. Through M draw perpendicularto AB. (Use rulers and compasses.)

20. Draw an angle of measure 60^{o} and construct its angle bisector.

21. Find the side of square whose perimeter is 20m.

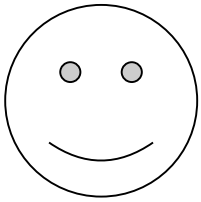
Section D

22. A farmer has a rectangular field of length and breadth 240m and 160m respectively. He wants to fence it with 5 rounds of rope. What is the total length of rope he must use? Also find the cost of rope at the rate of Rs. 100 per meter.

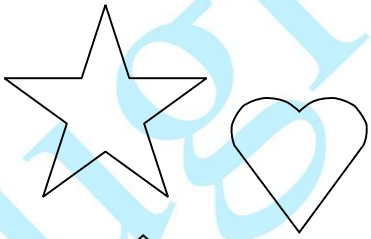
23. Anu made 42 runs in 6 overs and Monalika made 63 runs in 7 overs. Who made more runsper over ? The player who made lesser runs congratulated the other. What value is depicted in this action?

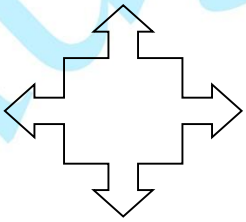
24. Check whether the following figures are symmetric or not. Draw the lines of symmetry aswell.

(a) (b).



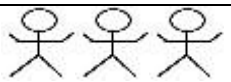
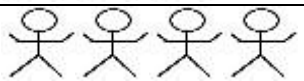
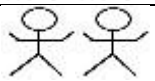
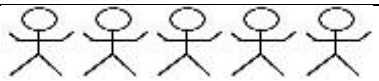
(c)





(d)

25. The colours of fridges preferred by the people living in a locality are shown by the following pictograph:

	 = 10 People
Blue	
Green	
Red	
White	

(a) Find the number of people preferring blue colour .

(b) Which colour is preferred by most of the people.

(c) which colour is least preferred

(d) How many people like red colour ?