



(SARALA BIRLA GROUP OF SCHOOLS)

SARALA BIRLA PUBLIC SCHOOL

Mahilong, Ranchi.

Revision Test (Mathematics)

Class - VII

1. The ages in years of 10 teachers of a school are : 32, 41, 28, 54, 35, 26, 23, 33, 38, 40.

- (i) What is the age of the oldest and that of the youngest teacher.
- (ii) What is the range of the ages of the teachers.
- (iii) What is the mean age of the teachers.

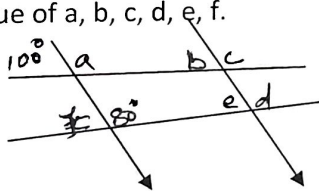
2. Plot a double bar graph using the data and answer the following :

City	Surat	Delhi	Ranchi	Kolkata	Cuttack	Chennai
Max temp °c	38	38	35	39	37	36
Min temp °c	29	28	22	29	26	27

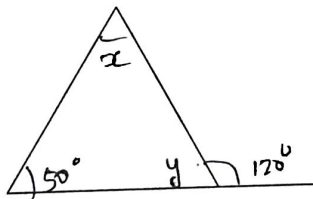
- (i) Which city has the largest difference in the minimum and maximum temperature on the given data.
- (ii) Which is the hottest city and which is the coldest city.

3. Irfan says that he has 7 marbles more than five times the marbles Permit has. Irfan has 37 marbles. How many marbles does Permit have.

4. Find the value of a, b, c, d, e, f.



5. Calculate x and y for the given figure



6. In the given figure $AB=AC$ and AD is the bisector of $\angle BAC$.

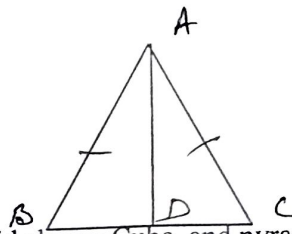
- (i) State three pairs of equal parts in triangle ADB and ADC .
- (ii) Is $\triangle ADB \cong \triangle ADC$
- (iii) Is $\angle B = \angle C$ give reasons.

7. Write and draw number of line symmetry of

- (i) An equilateral triangle
- (ii) Square
- (iii) Regular pentagon.

8. Write number of faces, edges and vertices of the following solid shapes Cube and pyramid

9. What cross section do you get when you cut the following in vertical cut. _____



(i) A brick (ii) a circular pipe.

10. There are 6 balls in a box marked 1 to 6 .

(i) What is the probability of drawing a marble with number 3.

(ii) What is the probability of drawing a marble with number 7.

[1]