SARALA BIRLA PUBLIC SCHOOL

Mahilong, Ranchi.

Revision Test-2(Mathematics)[4.2.2020]

Class – VI

1) Name any two symmetrical objects from your home.   1

2) Draw rough figure of a square and draw the lines of symmetry in it.   1

3) Construct a circle with radius 3.5 cm   1

4) Find the ratio of 90 cm and 150 cm.   1

5) The side of a regular hexagon is denoted by 'b' . Express the perimeter of the hexagon using b.   1

6) Divide 20 pens between Sheela and Sangeeta in the ratio 3:2   2

7) Construct an angle of 90^0 using ruler and compass.   2

8) Can you draw a triangle which has :   a) no line of symmetry   b) exactly two lines of symmetry   2

9) Are 15, 45, 40 and 120 in proportion?   2

10) Draw a line segment of 8.2 cm and construct it's perpendicular bisector.   2

11) Give the expression for :

   a) y multiplied by -8 and the result is subtracted from 16.   2

   b) 12 subtracted from z.

12) The weight of 72 books is 9 kg . What will be the weight of 40 such books?   3

13) Construct an angle of 135^0 using ruler and compass and bisect it.   3

14) Pick out the solution from the given values and show that the other values do not satisfy the eEquation:

   a) 5m = 60   (10, 5, 12, 15)   b) p – 5 = 5 (0, 10,5, -5)   3

15) Take Suman 's present age to be ' x' years: 3

   a) What will be her age after 6 years from now?   b) What was her age 2 years back?

   c) Her grandfather is 6 times her age . What is the age of her grandfather?

16) There are 102 teachers in a school of 3300 students. Find the ratio of the number of teachers to the number of students.   3

17) Consider the alphabets of English language and list 2 letters for each: 4

   a) two lines of symmetry.   b) no lines of symmetry.   c) vertical line of symmetry.

   d) horizontal line of symmetry.

18) Determine if the following ratios form a proportion. Write the middle and extreme terms where the ratios form a proportion: 4

   a) 40 : 200 and 15 : 75   b) 2 kg : 80 kg ang 25 g : 625 g