O. P. JINDAL SCHOOL, RAIGARH (CG) 496 001

WORK SHEET

SUBJECT- MATHS

Chapter-3: How many squares? Chapter-5: Does it look the same? Chapter-7: Can you see the pattern?

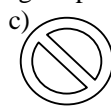**CLASS- V**   **Date-05.09.14**

1   Use the given motifs to make a pattern with given rule :-

    a) ⬦ ($\frac{1}{4}$ turn clockwise)

    b) ▽ ($\frac{1}{2}$ turn)

    c) A ($\frac{1}{8}$ turn anti clockwise)

    d) ⇕ ($\frac{1}{6}$ turn)

2   Write 6 English alphabets which look the same after being rotated by half a turn .

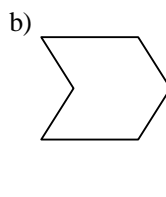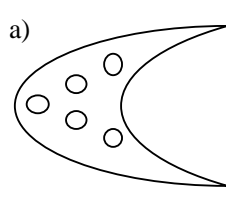3   Write 5 four digit numbers which look the same after being rotated by half a turn .

4   Draw the lines of symmetry for the following shapes :-

    a)   b)   c)   d)

5   Convert the following numbers into palindromes :-

    a) 783   b) 519   c)   748

6   Draw mirror halves of the following shapes :-

    a)   b)

7   Fill this magic square using all the numbers from 41 to 49 .

        Rule :- The total of each line is 135 .

8   Guess the secret number using the clues given below :-

    a) It is larger than $\frac{3}{4}$ of 100 .

    b) It is more than 8 tens and less than 9 tens .

   c) The tens digit is one less than the ones digit .

    d) Together the digits have a sum of 17.

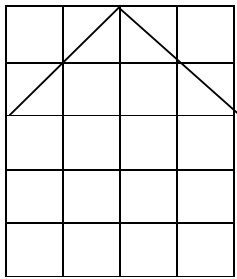9   Draw any two shapes which look the same after $\frac{1}{3}$ turn .

10   Draw any two shapes which look the same after $\dfrac{1}{6}$ turn .

11   Complete the pattern :-

         4x   4 =   16
      34x   34 =   11 56
   334x   334 =   11156

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12   Make them equal:-

        a)   ◯   +   △   + ------   =   ------   ▭   + -----

        b)   -----   +   ⬡   + -----   =   -----   ⬠   ◺ +

13   Draw two more sides in the given figure to complete the shape such that it's area is 10 sq cm .

14   Draw 5 different shapes using 6 squares of side 1 sq cm. Find the perimeter of each shape .

15   Draw different possible rectangles using 24 squares . Side of each square is 1 cm .

16   Draw a grid of 17 x 10 cm . How many shapes each of 5 squares can be drawn into the grid .

17   Calculate the perimeter of a rectangle whose l = 5 cm and b= 3 cm .

18   Calculate the area of a square of side 8 cm .

19   Draw the following shapes on the square grid :-
         a)   A square with perimeter 12 cm .
         b)   A rectangle of area 14 sq cm .

20   Find the side of a square whose perimeter is 40 cm .