

Date :- 14.02.19

HOME ASSIGNMENT

CLASS - VI (1)

Ch-5 Understanding Elementary Shapes (Term-2)

Q1. Fill in the blanks

- (i) In a square \_\_\_\_\_ angles are equal and \_\_\_\_\_ sides are equal.
- (ii) In a rhombus \_\_\_\_\_ angles are equal and \_\_\_\_\_ sides are equal
- (iii) A rhombus has \_\_\_\_\_ pairs of parallel sides.
- (iv) The diagonals of a rhombus bisect each other at \_\_\_\_\_
- (v) If the diagonals of a quadrilateral bisect and are perpendicular to each other, the quadrilateral is a \_\_\_\_\_

Q2. Two adjacent angles of a parallelogram are equal. What is the other name for this Parallelogram?

Q3. What fraction of a clockwise revolution does the hour hand of a clock turn through, when it goes from:

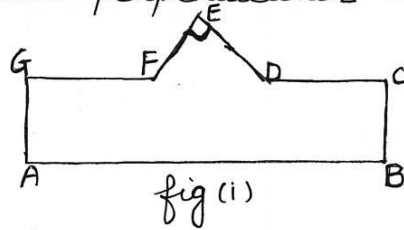
- (i) 2 to 5      (ii) 12 to 9      (iii) 6 to 3

Q4. Identify the types of angles between the minute hand and hour hand of a clock, when the time is: - (i) 2 o'clock      (ii) 12 o'clock  
(iii) 4 o'clock

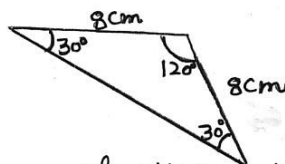
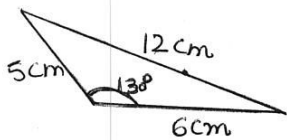
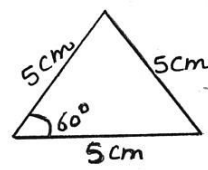
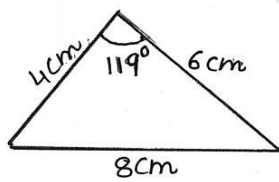
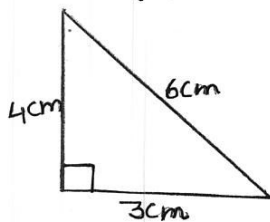
Q5. Find the no. of right angles turned through by the hour hand of a clock when it goes from: (i) 5 to 11      (ii) 10 to 4      (iii) 12 to 9

Q26 Count the pair of parallel and perpendicular lines in the letter 'F'

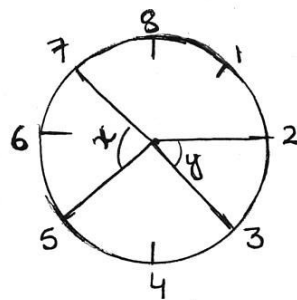
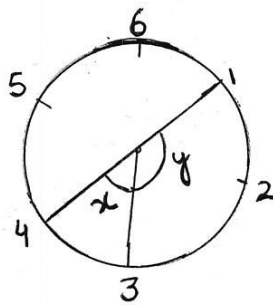
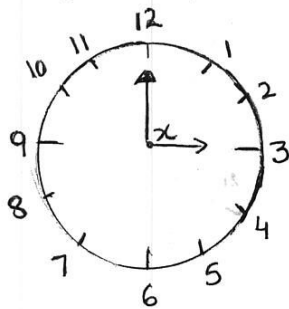
Q27 In fig(i) name the perpendicular line segments



Q28 Write two appropriate attributes for each of the triangles :-



Q29. State the measure of the unknown angles  $x$  and  $y$  in degrees.

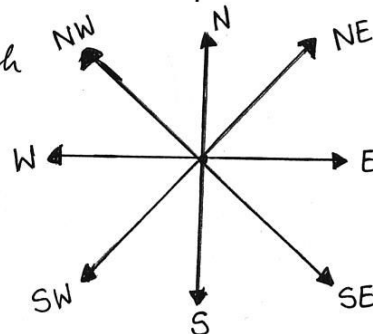


Q30 What angle do you turn through if you turn clockwise from

(i) W to NE (ii) SE to SW

and anticlockwise from:

(i) E to S (ii) N to SW



## ANSWERS

1) (i) all, all (ii) opposite, all (iii) Two (iv) Right angles  
(iv) Rhombus/Square

2) Rectangle or square

3) (i)  $\frac{1}{4}$  (ii)  $\frac{3}{4}$  (iii)  $\frac{3}{4}$

4) Acute angle (ii) zero angle (iii) obtuse angle

5) (i) 2 right angles (ii) 2 right angles (iii) 3 right angles

7)  $\overline{AB} \perp \overline{AG}$ ,  $\overline{AB} \perp \overline{BC}$ ,  $\overline{DE} \perp \overline{EF}$

6) One pair of parallel lines  
Two pairs of perpendicular lines

8) (i) Scalene & Right angled triangle

(ii) Scalene & obtuse " "

(iii) Equilateral & acute " "

(iv) Scalene & obtuse " "

(v) Isosceles & obtuse " "

Q9 (i)  $x = 90^\circ$

(ii)  $x = 60^\circ$   $y = 120^\circ$

(iii)  $y = 45^\circ$   $x = 90^\circ$

Q10 (i)  $135^\circ$  (obtuse angle) (ii)  $90^\circ$  (Right angle)

(ii)  $270^\circ$  (Reflex angle) (ii)  $135^\circ$  (obtuse angle)