

Section - A (3x1=3)

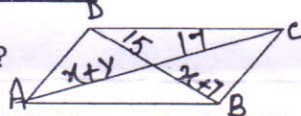
1. If the diagonals of the quadrilateral are equal then it is either _____ or _____
2. The diagonals of _____ bisect each other at right angle .
3. ABCD is a rhombus ,if $\angle ACB=40^\circ$ then $\angle ADB$ is _____

Section- B (3 x 2= 6)

4. Find the number of sides of a regular polygon whose each of the exterior angle have measure of 24°
5. Two adjacent angles of a parallelogram are in the ratio 1:2. Find the measure of all the angles
6. How many sides does a regular polygon have if measure of each of its interior angle is 150°

Section -C (3 x 3= 9)

7. ABCD is a parallelogram .Find the value of x and y?

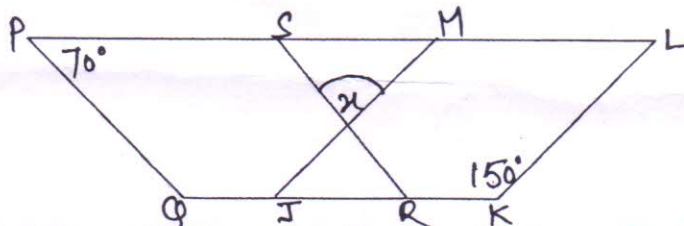


8. Construct a parallelogram PQRS ,where $PQ=7\text{cm}$, $QR=5\text{cm}$ and $\angle Q=80^\circ$.

9. Two angles of a quadrilateral measure 70° each and other two angles are in the ratio 5:6 .Find the measure of each of them .

Section -D (4x3=12)

10. Construct a rhombus whose diagonal measure 8cm and 5.7cm .
11. PQRS and JKLM are two parallelograms where $\angle P=70^\circ$ and $\angle K=150^\circ$. Find angle X



12. Construct a quadrilateral ABCD in which $AB=4\text{cm}$, $BC=6\text{cm}$, $CD=5\text{cm}$, $DA=5.5\text{cm}$ and $AC=7\text{cm}$.