VIII - Mathematics [Practical Geometry]

Academic Year 2011-2012

- Construct a quadrilateral ABCD in which AB = 4.4cm, BC = 4cm, CD = 6.4cm, DA = 2.8cm and BD = 6.6cm
- Construct a parallelogram ABCD where AB = 3.6cm , BC = 4.2cm and AC = 6.5cm.
- Construct a rhombus with side 6cm and one diagonal 8cm. Measure the other diagonal.
- Construct a quadrilateral ABCD in which AB = 5.5cm, AD = 4.4cm, CD = 6.5cm,
 AC = 6.5cm and BD = 7.1cm.
- 5. Construct a rhombus COLD in which CL = 7.5cm \overline{OD} = 6cm
- 6. Construct a rectangle PURE in which PU = 5.5cm, UR = 4cm
- 7. Construct a parallelogram HARD in which HA = 7cm , AR = 5cm, < D = 105 $^{\circ}$.
- 8. Construct a quadrilateral BIRD where BI = 3.5cm , IR = 6.5cm, $< B = 75^{\circ}$, $< I = 105^{\circ}$ and < R = 120 $^{\circ}$
- 9. Construct a quadrilateral PQRS, in which $< Q = 45^{\circ}, < R = 90^{\circ}, \, \mathrm{QR} = 5\,\mathrm{cm}, \, \mathrm{PQ} = 9\,\mathrm{cm}$ and RS = 7cm.
- 10. Construct a kite SOLD if OD = 8cm, SD = 5cm and LD = 6cm. Which properties of the kite did you use in the process.
- 11. How will you construct a rectangle PLOT if you know only the lengths PL and LO?
- 12. Construct a square GOAT with GO = 4.9cm
- 13.Construct a rhombus in which the diagonals are 6.6cm and 4.8cm long.