CHAPTER 16

CONSTRUCTION OF QUADRILATERALS

More Questions for Practice

1. Construct a quadrilateral PQRS such that PQ = 4 cm, QR = RS = 4.8 cm, PS = 3.6 cm and ∠QPS = 90°.

   (*i*) Measure and write down the length of QS;

   (*ii*) Construct the perpendicular from S to QR.

2. Construct a quadrilateral ABCD such that AB = 6.5 cm, BC = 4.6 cm, AD = 5.8 cm, ∠ABC = 120° and ∠BAD = 105°. The point T is such that it is equidistant from A and B, and equidistant from AB and AD. Locate the point T.

3. Construct a quadrilateral UVWT such that UV = 5.6 cm, VW = 6.2 cm, WT = 9.2 cm, ∠UVW = 80 and ∠VWT = 95°.

   (*i*) Measure and write down the length of PS.

   (*ii*) Measure and write down the measure of ∠UTW.