

(iv) How far did the car go during (i) the 2nd hour? (ii) the 3rd hour?(v) Was the speed same during the first three hours? How do you know it?

(v) Was the speed same during the first three hours? How do you know it(vi) Did the car stop for some duration at any place? Justify your answer.vii) When did the car reach City Q?

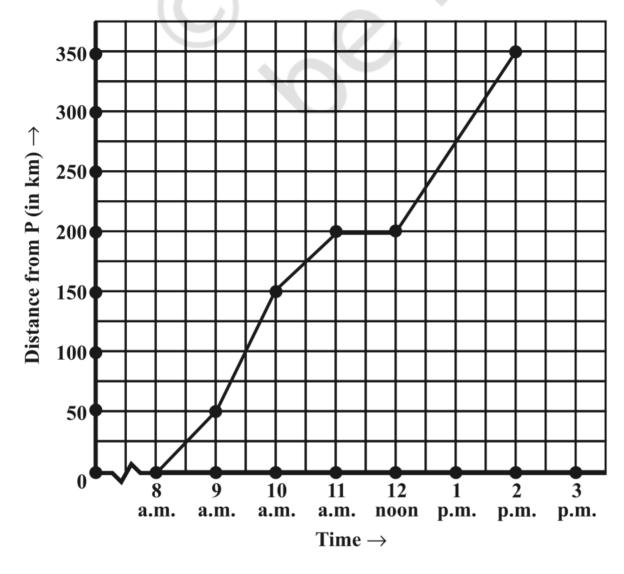
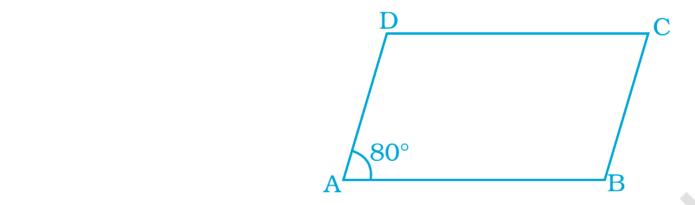


Fig 13.4

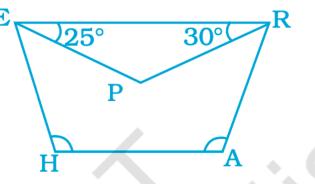
x + 1

 $\frac{1}{2x+7}$ 

**146.** In parallelogram ABCD, find  $\angle$ B,  $\angle$ C and  $\angle$ D.



**154.** In trapezium HARE, EP and RP are bisectors of  $\angle$ E and  $\angle$ R respectively. Find  $\angle$ HAR and  $\angle$ EHA.



73. The mass of an aluminium rod varies directly with its length. If a 16 cm long rod has a mass of 192 g, find the length of the rod whose mass is 105 g.

## **119.** Three numbers are in the ratio 1:2:3 and the sum of their cubes is 4500. Find the numbers.

2. Factorise. (i)  $4p^2 - 9q^2$ 

(iv)  $16x^5 - 144x^3$ 

## **5.** Factorise the following expressions. (ii) $q^2 - 10q + 21$ (i) $p^2 + 6p + 8$