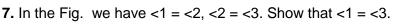
9th INTRODUCTION TO EUCLID'S GEOMETRY

Solve each of the following question using appropriate Euclid's axiom :

- 1. Two salesmen make equal sales during the month of August. In September, each salesman doubles his sale of the month of August. Compare their sales in September.
- **2.** It is known that x + y = 10 and that x = z. Show that z + y = 10?
- 3. Look at the Fig. 5.3. Show that length AH > sum of lengths of AB + BC + CD

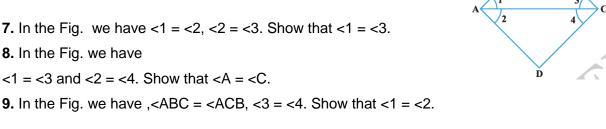


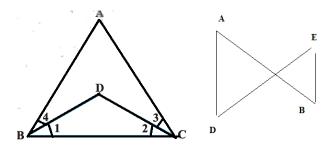
- **4.** In a triangle ABC, x and y are point on AB and AC such that AB = BC, BX = BY. Show that AX =
- 5. In a triangle ABC we have X and Y are the mid-points of AC and BC and AX = CY. Show that AB = BC
- 6. 4. In a triangle ABC, x and y are point on AB and AC such that BX = 1/2AB and BY =1/2 BC and AB = BC. Show that BX = BY



8. In the Fig. we have

9. In the Fig. we have <ABC = <ACB, <3 = <4. Show that <1 = <2.





10. In the given fig. 5.10, we have AC = DC, CB = CE. Show that AB = DE.

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