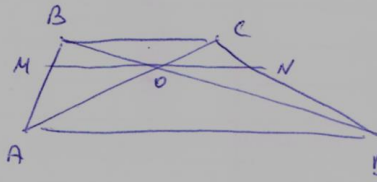


1.118
6



$$\frac{MO}{BC} = \frac{AO}{AC} = \frac{OD}{BD} = \frac{ON}{DC}$$

or by $\frac{1}{2}$ $\frac{1}{2}$

$$\therefore MO = NO$$

1:3 Δ in \parallel lines on $\Delta BCO \sim \Delta DAO$ \square

$$\frac{MO}{BC} = \frac{AO}{AC}$$

$$\frac{AO}{OC} = \frac{3}{1} \rightarrow \frac{AO}{AC} = \frac{3}{4}$$

$$MO = \frac{3}{4} BC = 3 \rightarrow MN = 2MO = 6$$