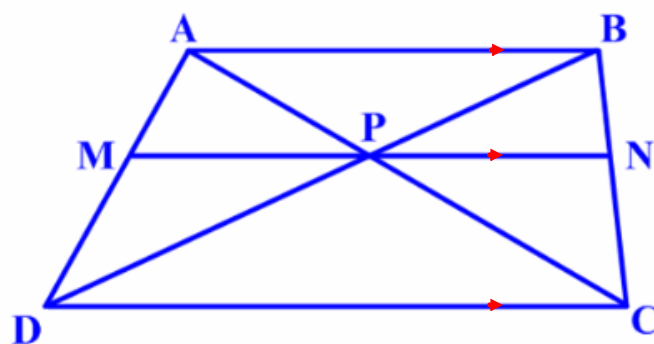


1. Find the harmonic mean of a trapezoid with bases of lengths $\frac{49}{17}$ and $\frac{129}{11}$

2. In the following trapezoid, MP is $\frac{9}{2}$ and AB is 7. Find DC.



3. In the trap ABCD, MN is the harmonic mean.

If $AB = 2y - 2$, $MN = y + 8$, and $CD = 4y - \frac{2}{3}$

Find y .

