Exchange the extremes
$$b\left(\frac{a}{b} = \frac{c}{d}\right)b \quad \frac{a}{c} = \frac{cb}{dc}$$

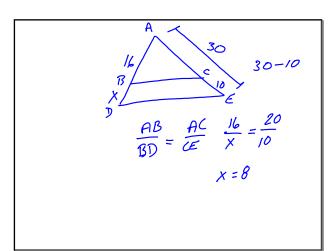
$$\frac{a}{c} = \frac{b}{dc}$$

$$\frac{P}{6} = \frac{r}{10}$$
 Is the ratio $\frac{P}{r} = \frac{3}{5}$
$$\frac{P}{r} = \frac{6}{10} \Rightarrow \frac{P}{r} = \frac{3}{5}$$

$$\frac{a}{b} = \frac{c}{d}$$
if $a = c$
then $b = d$

$$\frac{a}{b} + \frac{b}{b} = \frac{c}{d} + \frac{d}{d}$$

$$\frac{a+b}{b} = \frac{c+d}{d}$$



Find LQ

Given
$$\frac{MN}{MQ} \stackrel{LP}{LQ}$$
 $L = 5 + 12.5 = 17.5$

Find LQ

Given $\frac{MN}{MQ} \stackrel{LP}{LQ}$
 $Q = 5 + 12.5 = 17.5$
 $Q = 5 + 12.5 = 17.5$

Find LQ

 $Q = 5 + 12.5 = 17.5$
 $Q = 5 + 12.5 = 17.5$