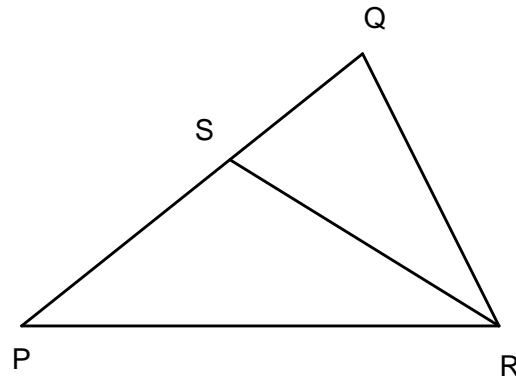


in triangle PQR seg RS is the angle bisector of angle PQR if PS = 4 sq t= 6 pr =5 find QR



If RS is the bisector, then $\frac{PS}{SQ} = \frac{PR}{QR}$

PS=4, SQ=6 and PR=5, so

$$QR = \frac{PR \times SQ}{PS} = \frac{5 \times 6}{4} = 7.5$$