

Exchange the extremes

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

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

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

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

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

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

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

