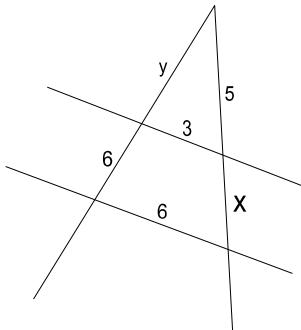


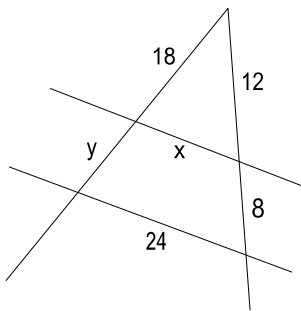
## Übungen zum Strahlensatz

Lösungen (selbstverständlich sind hier auch andere Lösungswege denkbar!!)



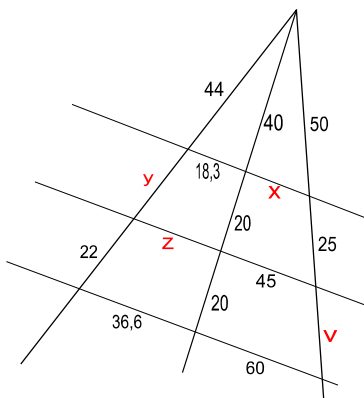
$$x: \frac{6}{3} = \frac{5+x}{5} \rightarrow x = 5$$

$$y: \frac{6}{3} = \frac{6+y}{y} \rightarrow y = 6$$



$$x: \frac{12+8}{12} = \frac{24}{x} \rightarrow x = 14,4$$

$$y: \frac{18+y}{18} = \frac{12+8}{12} \rightarrow y = 12$$



$$x: \frac{45}{x} = \frac{50+25}{50} \rightarrow x = 30$$

$$y: \frac{y+44}{44} = \frac{50+25}{50} \rightarrow y = 22$$

$$z: \frac{z}{18,3} = \frac{40+20}{40} \rightarrow z = 27,45$$

$$v: \frac{50+25+v}{50+25} = \frac{60}{45} \rightarrow v = 25$$