

Mi., 22.07.2020 (B)

8.140/9 mitte

1. Strahlensatz: $\frac{d}{a} = \frac{b}{c}$

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

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

2. Strahlensatz: $\frac{x}{y} = \frac{a}{d} = \frac{c}{b}$

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$$\frac{x}{c} = \frac{a}{b} \quad | \cdot c$$

$$x = \frac{a \cdot c}{b}$$

c) $a = b \Rightarrow x = c$

$$a = 2b \Rightarrow x = \frac{2 \cdot b \cdot c}{b}$$

$$x = 2 \cdot c$$