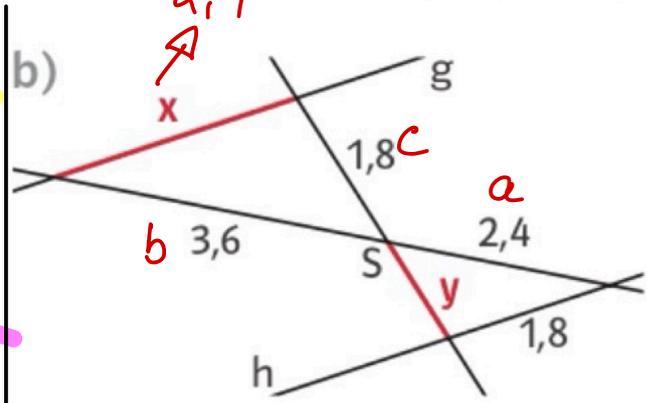
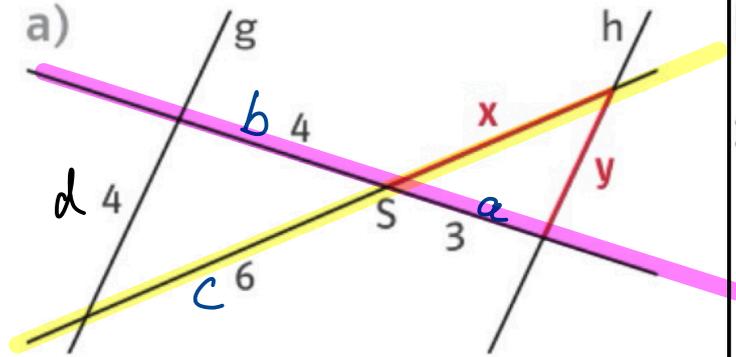


S.90 A9

g || h → Strahlensatzfiguren



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

$$\frac{x}{3} = \frac{6}{4} \quad | \cdot 3$$

$$x = \frac{6}{4} \cdot 3 = 4,5$$

$$\frac{4,5}{3} = \frac{6}{4} \quad \checkmark$$

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

$$\frac{y}{4,5} = \frac{2,4}{4} \quad | \cdot 4,5$$

$$y = \frac{2,4}{4} \cdot 4,5 = 2,7$$

$$k = \frac{a}{b} \quad \text{Streckfaktor}$$

$$= \frac{2,4}{3,6} = \frac{2}{3}$$

$$k = \frac{d}{c} \quad | \cdot c$$

$$k \cdot c = d$$

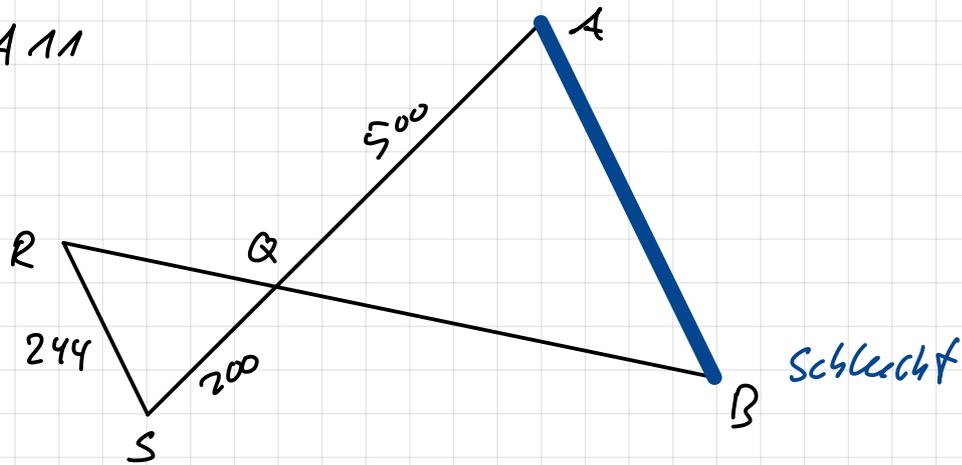
$$y = 1,8 \cdot \frac{2}{3} = 1,2$$

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

$$\therefore y = 1,2$$

S.90 A9 A11

1) Skizze



2) $\overline{RS} \parallel \overline{AB} \rightarrow$ Strahlensatzfiguren

3) $\frac{\overline{AB}}{\overline{RS}} = \frac{\overline{QA}}{\overline{QS}}$ o.o.

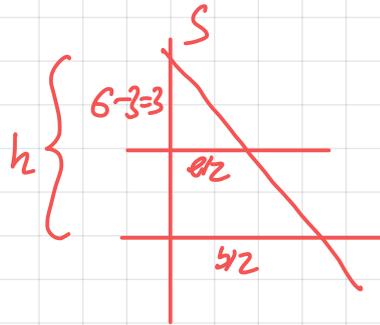
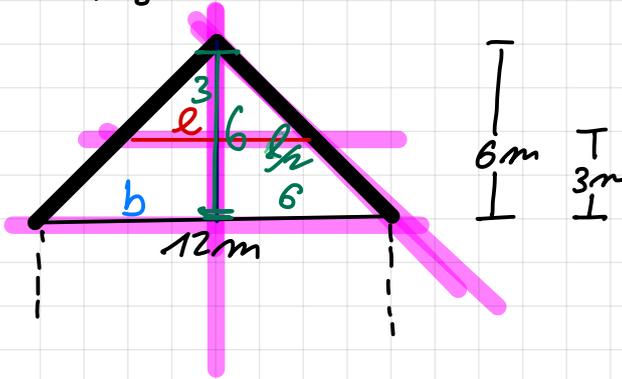
$$\overline{AB} = \frac{500}{200} \cdot 244 = 610$$

Die Strecke \overline{AB} ist 610m lang

S. 89 Bsp. 2 lesen

Aufgabe 0

$l = ?$



$l \parallel b \rightarrow$ Strahlensatzfiguren

$$\frac{\frac{l}{2}}{6} = \frac{3}{6}$$

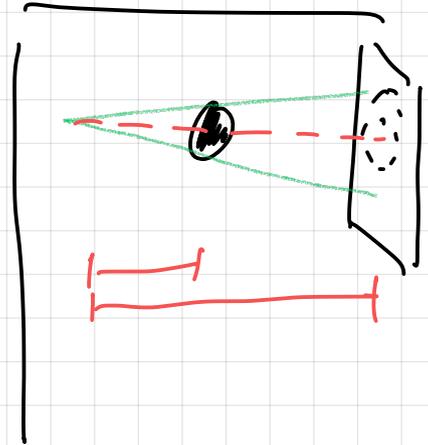
$$\frac{\frac{l}{2}}{\frac{b}{2}} = \frac{3}{6}$$

$$\frac{b}{2} = 6$$

$$\frac{l}{5} = \frac{3}{6}$$

$$l = b \cdot \frac{3}{6} = 12 \cdot \frac{1}{2} = 6$$

Deckbalken 6m



- Übungsaufgaben Strahlensatz
 - Ähnlichkeit ; Streckfaktor ; Strahlensatz
- Statistiken manipulieren
- Formelsammlung
- Dreiecke konstruieren ; Kongruenzsätze