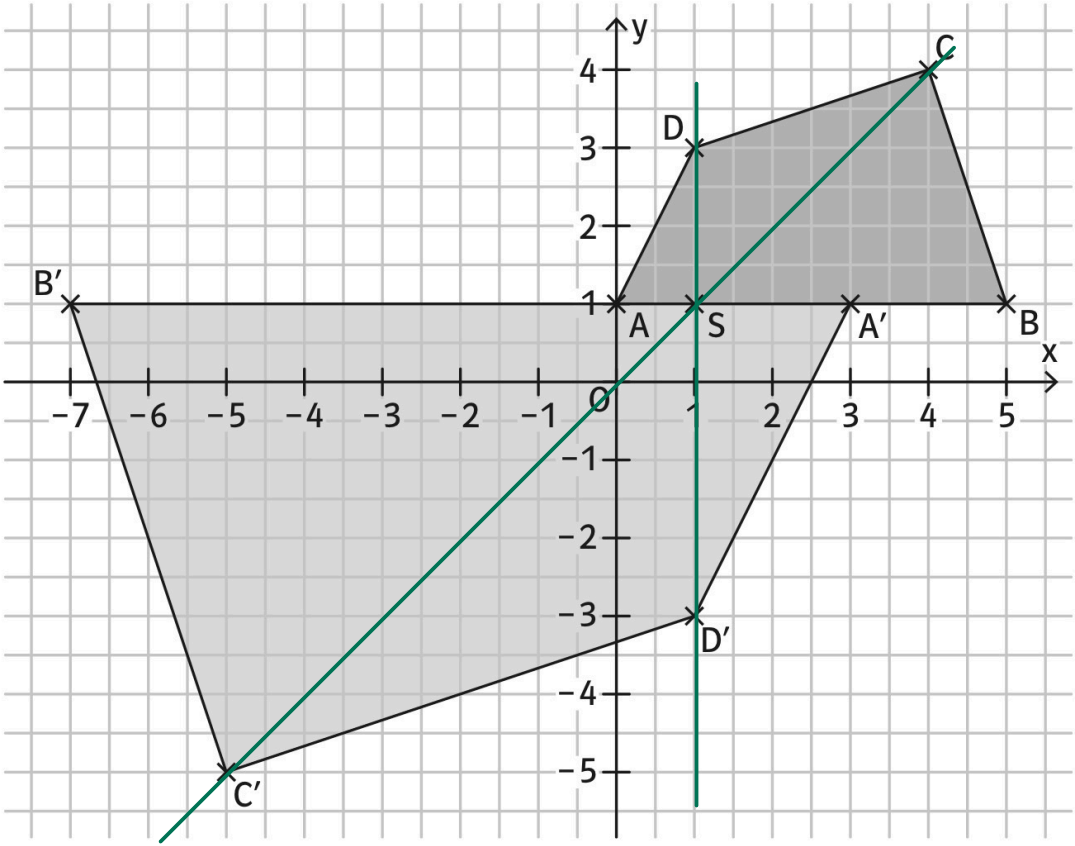
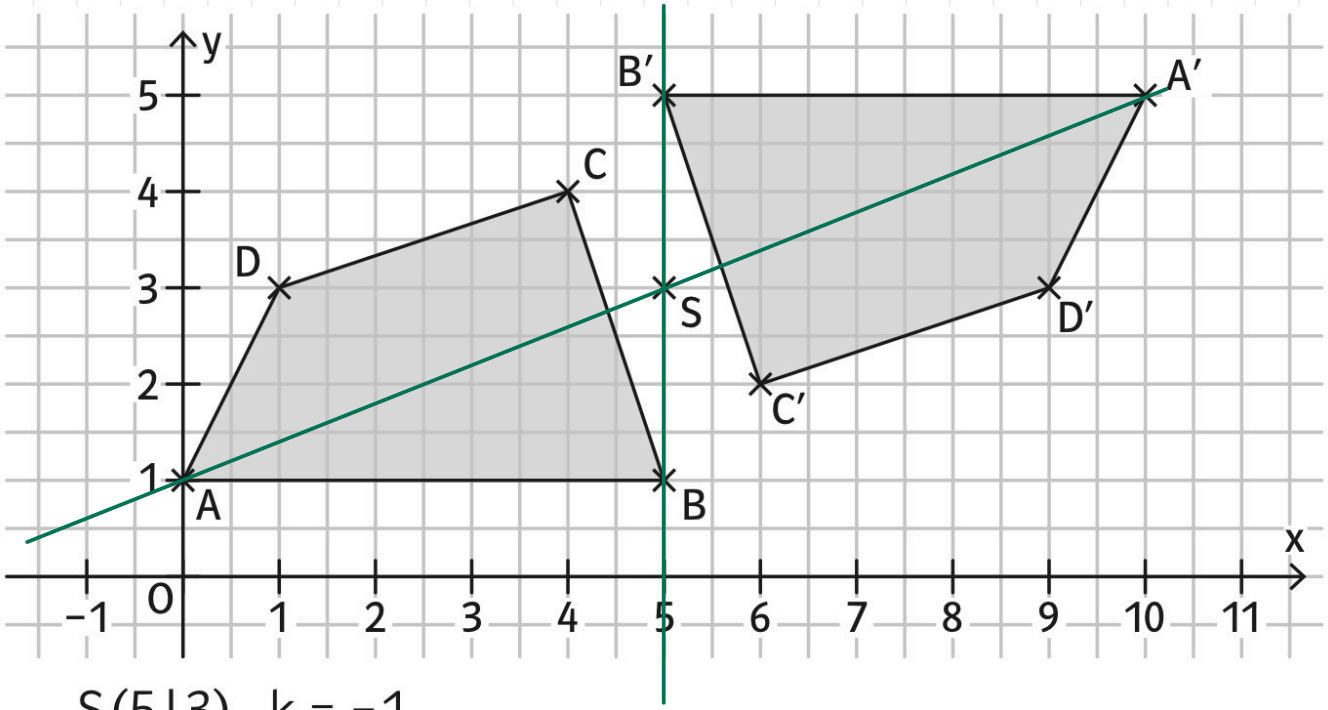
S. 73 A9a S(1|1) k=-2 Bild = gespiegelt

21.1.26



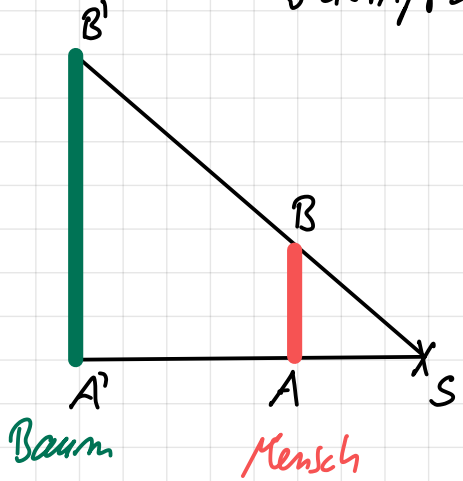
S. 73 A36



gespiegelt

S. 89 A4

1) Skizze Bleistift & Lineal



2) $\overline{A'B'} \parallel \overline{AB} \Rightarrow$ Strahlensatzfigur ← immer

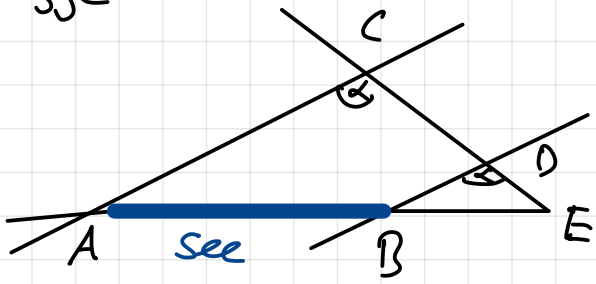
3) $\frac{\overline{A'B'}}{\overline{AB}} = \frac{\overline{A'S}}{\overline{AS}}$, also $\frac{\overline{A'B'}}{1{,}7\,\text{m}} = \frac{4{,}2\,\text{m}}{1{,}4\,\text{m}}$

$\overline{A'B'} = 3 \cdot 1{,}7\,\text{m} = 5{,}1\,\text{m}$

4) Der Baum ist 5,1 m hoch.

S. 90 A5

1) Skizze



2) $\overline{AC} \parallel \overline{BD} \Rightarrow$ Strahlensatzfigur

3) $\frac{\overline{AB}}{\overline{CD}} = \frac{\overline{BE}}{\overline{DE}}$

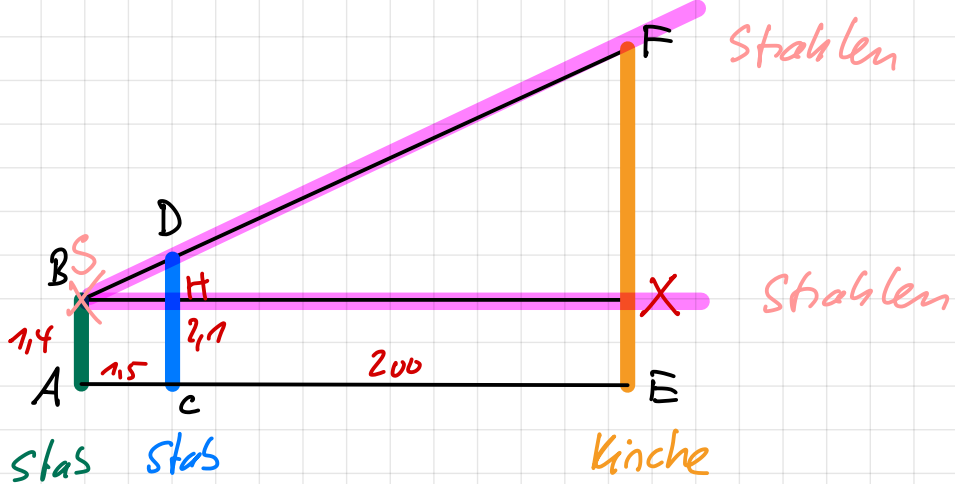
$\frac{\overline{AB}}{103} = \frac{102}{37} \quad | \cdot 103$

$\overline{AB} = \frac{102}{37} \cdot 103 \approx 284$

4) Die Strecke $\overline{AB}$ ist 284 m lang.

S. 90 A6

1) Skizze



2) $\overline{DC} \parallel \overline{EF} \Rightarrow$ Strahlensatzfiguren [Strahlen BX ; BF]

3) $\frac{\overline{FX}}{\overline{DH}} = \frac{\overline{BX}}{\overline{BH}}$

$\overline{DH} = 2{,}1 - 1{,}4 = 0{,}7$

$\overline{BX} = 200 + 1{,}5 = 201{,}5$

$\frac{\overline{FX}}{0{,}7} = \frac{201{,}5}{1{,}5} \quad | \cdot 0{,}7$

$\overline{FX} = \frac{201{,}5}{1{,}5} \cdot 0{,}7 = 94{,}03$

$\overline{EF} = \overline{EX} + \overline{FX}$

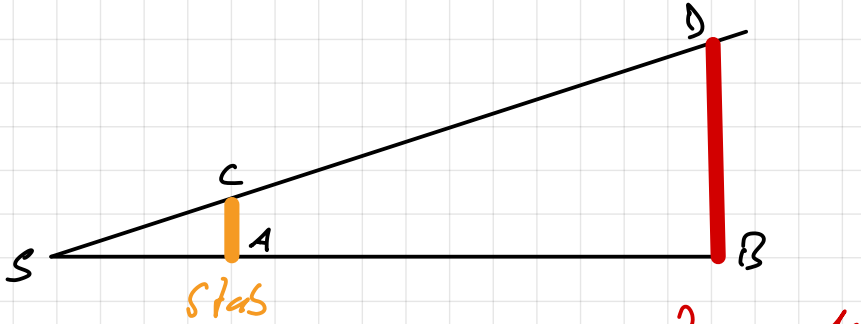
$= 1{,}4 + 94{,}03$

$= 95{,}43$

Der Turm ist 95,43 m hoch.

S.87 oben „Pyramide"

1) Skizze



$\overline{SA} = 2$ $\overline{AC} = 1{,}5$

$\overline{SB} = 160$

2) $\overline{CA} \parallel \overline{BD} \Rightarrow$ Strahlensatzfigur

3) $\frac{\overline{DB}}{\overline{CA}} = \frac{\overline{SB}}{\overline{SA}}$

$\frac{\overline{DB}}{1{,}5} = \frac{160}{2} \quad | \cdot 1{,}5$

$\overline{DB} = \frac{160}{2} \cdot 1{,}5 = 120$

Die Pyramide ist 120 m hoch.

HA S. 90 A9 + A11