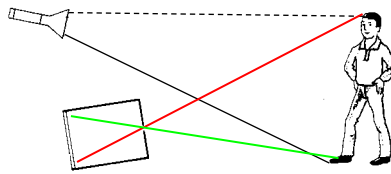
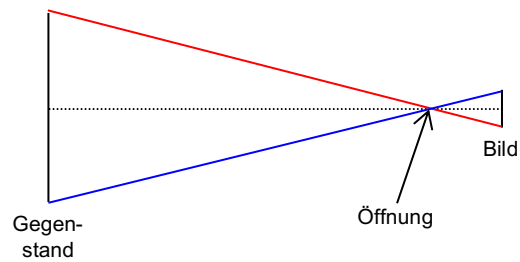


1. Das Bild steht auf dem Kopf



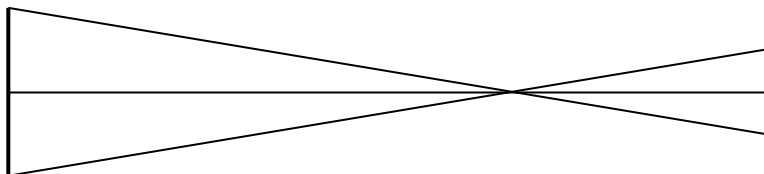
2. a) und b)



c) $g = 5.0 \text{ cm}$, $b = 1.0 \text{ cm}$, $G = 2.5 \text{ cm}$, $B = 0.50 \text{ cm}$

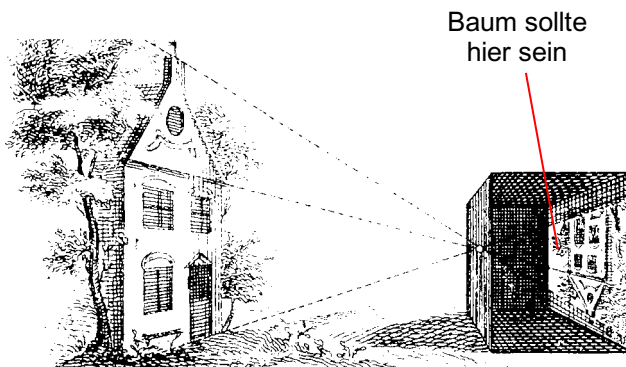
d) $A = \frac{B}{G} = \frac{1.0 \text{ cm}}{5.0 \text{ cm}} = \underline{\underline{0.20}}$

- 3.



$B = 1.5 \text{ cm}$, $b = 4.0 \text{ cm}$, $g = 8.0 \text{ cm}$

4. Der Baum ist auf der falschen Seite des Hauses.



$$5. \quad A = \frac{B}{G} = \frac{51 \text{ cm}}{17 \text{ cm}} = \underline{\underline{3.0}}$$

$$6. \quad B = A \cdot G = 0.20 \cdot 1.8 \text{ m} = \underline{\underline{0.36 \text{ m}}} = \underline{\underline{36 \text{ cm}}}$$

$$7. \quad G = \frac{B}{A} = \frac{5.0 \text{ m}}{2.5} = \underline{\underline{2.0 \text{ m}}}$$

$$8. \quad \text{a) } A = \frac{B}{G} = \frac{3.40 \text{ cm}}{176 \text{ cm}} = \underline{\underline{0.0193}}$$

$$\text{b) } b = \frac{B \cdot g}{G} = \frac{3.40 \text{ cm} \cdot 539 \text{ cm}}{176 \text{ cm}} = \underline{\underline{10.4 \text{ cm}}}$$

$$9. \quad \text{a) } A = \frac{B}{G} = \frac{5.7 \text{ cm}}{286 \text{ cm}} = \underline{\underline{0.020}}$$

$$\text{b) } g = \frac{G \cdot b}{B} = \frac{286 \text{ cm} \cdot 43 \text{ cm}}{5.7 \text{ cm}} = 2158 \text{ cm} = \underline{\underline{22 \text{ m}}}$$

$$10. \quad G = \frac{B \cdot g}{b} = \frac{1.80 \text{ m} \cdot 3.40 \text{ m}}{3.80 \text{ m}} = \underline{\underline{1.61 \text{ m}}}$$