

Nr. 1) $[0; 6] \rightarrow A_1 = 3 \cdot 3 ; A_2 = 5 \cdot 3 \Rightarrow \underline{\underline{A_{Ges} = 9 + 15 = 24 \text{ Liter}}}$

a) $[0; 12] \rightarrow A_1 = 3 \cdot 3 ; A_2 = 5 \cdot 4 ; A_3 = 2 \cdot 5 \Rightarrow \underline{\underline{A_{Ges} = 9 + 20 + 10 = 39 \text{ Liter}}}$

b) $[0; 6] \rightarrow A_1 = \frac{4 \cdot 4}{2} ; A_2 = -2 \cdot 2 \Rightarrow \underline{\underline{A_{Ges} = 8 - 4 = 4 \text{ m}^3}}$

$[0; 12] \rightarrow A_1 = \frac{4 \cdot 4}{2} ; A_2 = -2 \cdot 6 ; A_3 = 2 \cdot 2 \Rightarrow \underline{\underline{A_{Ges} = 8 - 12 + 4 = 0 \text{ m}^3}}$

c) $[0; 6] \rightarrow A_1 = \frac{2 \cdot 4}{2} ; A_2 = 2 \cdot 2 \Rightarrow \underline{\underline{A_{Ges} = 4 + 4 = 8 \text{ Liter}}}$

$[0; 12] \rightarrow A_1 = \frac{2 \cdot 4}{2} ; A_2 = 2 \cdot 2 ; A_3 = -\frac{2 \cdot 6}{2} \Rightarrow \underline{\underline{A_{Ges} = 4 + 4 - 6 = +2 \text{ Liter}}}$

Nr. 2) a) $2 \frac{\text{m}}{\text{s}} \cdot 2 \text{ s} = 4 \text{ m}$

b) $10 \frac{\text{mm}}{\text{Woche}} \cdot 1 \text{ Woche} = 10 \text{ mm}$

c) $200 \frac{\text{L}}{\text{min}} \cdot 1 \text{ min} = 200 \text{ L}$

d) $5 \frac{\text{k}}{\text{km}} \cdot 1 \text{ km} = 5 \text{ k}$