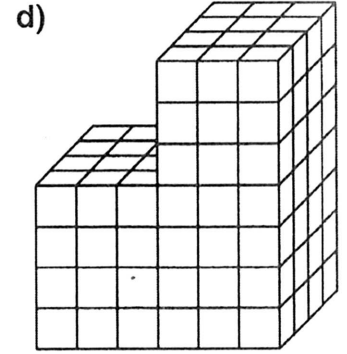
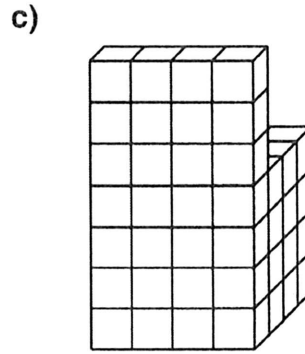
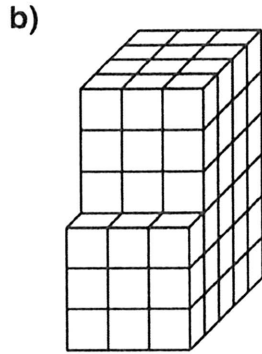
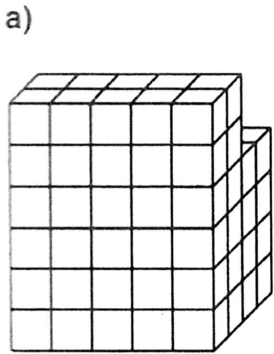


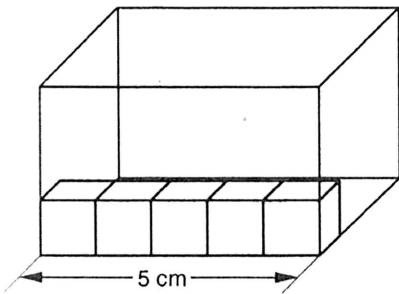
14: Volumenberechnung

1. Bestimme das Volumen durch die Anzahl der Würfel in diesem Körper.



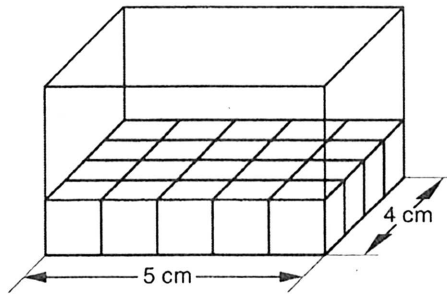
Würfel

2. Eine quaderförmige Pappschachtel ist 3 cm lang, 4 cm breit und 5 cm hoch. Wie groß ist der Rauminhalt (Volumen)? Die Schachtel wird mit cm^3 -Würfeln ausgemessen. Rechne.



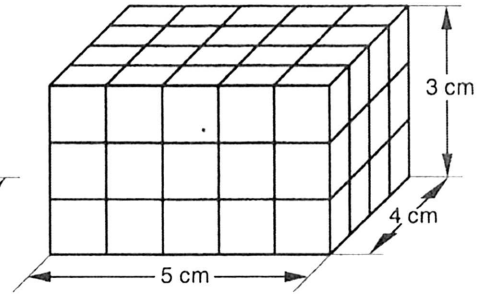
Eine Stange

$1 \text{ cm}^3 \cdot 5 = 5 \text{ cm}^3$



Eine Schicht

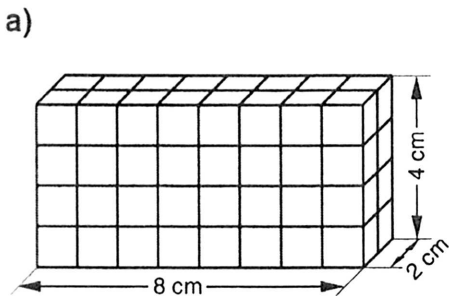
$5 \text{ cm}^3 \cdot 4$



Der ganze Quader

$V =$

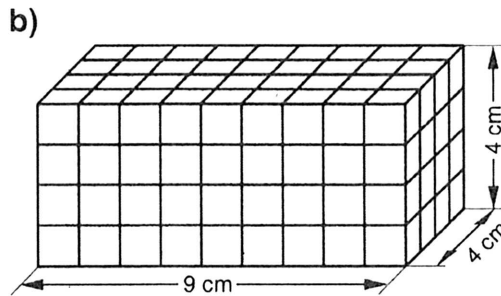
3. Berechne das Volumen der Quader schrittweise, zuerst das Volumen einer Stange, dann das Volumen einer Schicht und anschließend das Volumen des ganzen Quaders.



$1 \text{ cm}^3 \cdot 8 = 8 \text{ cm}^3$

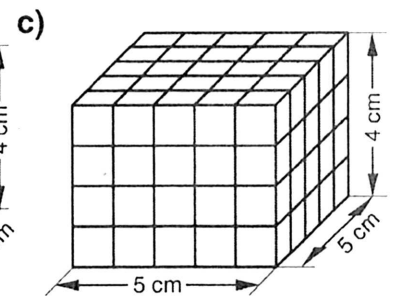
$8 \text{ cm}^3 \cdot$

$V =$



$1 \text{ cm}^3 \cdot$

$V =$



$V =$

Raummaße - Umwandlungen

$$1 \text{ m}^3 = 1\,000 \text{ dm}^3$$

$$1 \text{ dm}^3 = 1\,000 \text{ cm}^3$$

$$1 \text{ cm}^3 = 1\,000 \text{ mm}^3$$

$2 \text{ m}^3 = \underline{\hspace{2cm}} \text{ dm}^3$

$79 \text{ m}^3 = \underline{\hspace{2cm}} \text{ dm}^3$

$120 \text{ m}^3 = \underline{\hspace{2cm}} \text{ dm}^3$

$12 \text{ m}^3 = \underline{\hspace{2cm}} \text{ dm}^3$

$23\,000 \text{ mm}^3 = \underline{\hspace{2cm}}$

$98\,000 \text{ dm}^3 = \underline{\hspace{2cm}}$

$78\,000 \text{ mm}^3 = \underline{\hspace{2cm}}$

$47\,000 \text{ mm} = \underline{\hspace{2cm}}$

$6 \text{ dm}^3 = \underline{\hspace{2cm}} \text{ cm}^3$

$45 \text{ dm}^3 = \underline{\hspace{2cm}} \text{ cm}^3$

$654 \text{ dm}^3 = \underline{\hspace{2cm}} \text{ cm}^3$

$1 \text{ dm}^3 = \underline{\hspace{2cm}} \text{ cm}^3$

$4\,090 \text{ dm}^3 = \underline{\hspace{2cm}}$

$2\,033 \text{ cm}^3 = \underline{\hspace{2cm}}$

$4\,600 \text{ mm}^3 = \underline{\hspace{2cm}}$

$1\,300 \text{ dm}^3 = \underline{\hspace{2cm}}$

$15\,060 \text{ mm}^3 = \underline{\hspace{2cm}}$

$2 \text{ cm}^3 = \underline{\hspace{2cm}} \text{ mm}^3$

$89 \text{ cm}^3 = \underline{\hspace{2cm}} \text{ mm}^3$

$234 \text{ cm}^3 = \underline{\hspace{2cm}} \text{ mm}^3$

$23 \text{ cm}^3 = \underline{\hspace{2cm}} \text{ mm}^3$

$2\,000 \text{ dm}^3 = \underline{\hspace{2cm}}$

$2\,009 \text{ cm}^3 = \underline{\hspace{2cm}}$

$3 \text{ dm}^3 500 \text{ cm}^3 = \underline{\hspace{2cm}}$

$23 \text{ dm}^3 823 \text{ cm}^3 = \underline{\hspace{2cm}}$

$12\,000 \text{ mm}^3 = \underline{\hspace{2cm}}$

$23\,000 \text{ cm}^3 = \underline{\hspace{2cm}}$

$45\,000 \text{ mm} = \underline{\hspace{2cm}}$

$35\,000 \text{ cm} = \underline{\hspace{2cm}}$

$6 \text{ m}^3 39 \text{ dm}^3 = \underline{\hspace{2cm}}$

$2 \text{ m}^3 338 \text{ dm}^3 = \underline{\hspace{2cm}}$

$8 \text{ cm}^3 789 \text{ mm}^3 = \underline{\hspace{2cm}}$

$9 \text{ cm}^3 45 \text{ mm}^3 = \underline{\hspace{2cm}}$

Wandle um!

$134\,567 \text{ mm}^3 = \underline{\hspace{2cm}}$

$23\,457\,890 \text{ cm}^3 = \underline{\hspace{2cm}}$

$435\,678\,922 \text{ mm}^3 = \underline{\hspace{2cm}}$

$965\,412\,985\,421 \text{ mm}^3 = \underline{\hspace{2cm}}$

$14\,567 \text{ dm}^3 = \underline{\hspace{2cm}}$

$34\,567 \text{ mm}^3 = \underline{\hspace{2cm}}$

