

1.	$a$	$b$	$c$	$V$	$S$
(a)	2 cm	8 cm	5 cm	<b>80 cm<sup>3</sup></b>	<b>132 cm<sup>2</sup></b>
(b)	1 cm	3 cm	1 dm	<b>30 cm<sup>3</sup></b>	<b>86 cm<sup>2</sup></b>
(c)	2.5 dm	0.8 m	20 cm	<b>40 dm<sup>3</sup></b>	<b>82 dm<sup>2</sup></b>
(d)	5 mm	10 mm	<b>3 mm</b>	150 mm <sup>3</sup>	<b>190 mm<sup>2</sup></b>
(e)	<b>0.5 dm</b>	20 dm	4 dm	40 dm <sup>3</sup>	<b>82 dm<sup>2</sup></b>
(f)	5 cm	3 cm	<b>9 cm</b>	<b>135 cm<sup>3</sup></b>	174 cm <sup>2</sup>

2.	$a$	$V$	$S$
(a)	3 m	<b>27 m<sup>3</sup></b>	<b>54 m<sup>2</sup></b>
(b)	5 cm	<b>125 cm<sup>3</sup></b>	<b>150 cm<sup>2</sup></b>
(c)	0.1 dm	<b>1 cm<sup>3</sup></b>	<b>6 cm<sup>2</sup></b>
(d)	<b>4 mm</b>	<b>64 mm<sup>3</sup></b>	96 mm <sup>2</sup>
(e)	<b>20 dm</b>	<b>8000 dm<sup>3</sup></b>	2400 dm <sup>2</sup>
(f)	<b>6 cm</b>	216 cm <sup>3</sup>	<b>216 cm<sup>2</sup></b>

3. Rechne in die angegebene Volumeneinheit um.

(a)  $4000 \text{ mm}^3 =$  **4**  $\text{ cm}^3$       (b)  $0.3 \text{ dm}^3 =$  **300**  $\text{ cm}^3$

(c)  $2\,500\,000 \text{ mm}^3 =$  **2.5**  $\text{ dm}^3$       (d)  $0.00007 \text{ m}^3 =$  **70**  $\text{ cm}^3$

(e)  $12.3 \text{ cm}^3 =$  **0.0123**  $\text{ dm}^3$       (f)  $0.00081 \text{ m}^3 =$  **810**  $\text{ cm}^3$

(g)  $47.5 \text{ cm}^3 =$  **47\,500**  $\text{ mm}^3$       (h)  $3740 \text{ m}^3 =$  **3\,740\,000\,000**  $\text{ cm}^3$

(i)  $0.29 \text{ dm}^3 =$  **0.00029**  $\text{ m}^3$       (j)  $62\,000 \text{ dm}^3 =$  **62**  $\text{ m}^3$

(k)  $170\,000 \text{ cm}^3 =$  **0.17**  $\text{ m}^3$       (l)  $0.0039 \text{ cm}^3 =$  **3.9**  $\text{ mm}^3$

(m)  $5.5 \text{ cm}^3 =$  **0.0055**  $\text{ dm}^3$       (n)  $8.4 \text{ cm}^3 =$  **8400**  $\text{ mm}^3$

(o)  $500\,000 \text{ mm}^3 =$  **0.5**  $\text{ dm}^3$       (p)  $0.0000002 \text{ km}^3 =$  **200**  $\text{ m}^3$

4. Rechne in die angegebene Einheit um.

(a)  $0.21 =$  **20**  $\text{ dl}$       (b)  $94 \text{ ml} =$  **0.94**  $\text{ dl}$

(c)  $7.5 \text{ dm}^3 =$  **7.5**  $\text{ l}$       (d)  $4500 \text{ ml} =$  **4.5**  $\text{ l}$

(e)  $63 \text{ dm}^3 =$  **63**  $\text{ l}$       (f)  $1200 \text{ dm}^3 =$  **12**  $\text{ hl}$

(g)  $49 \text{ cm}^3 =$  **49**  $\text{ ml}$       (h)  $13 \text{ dm}^3 =$  **1300**  $\text{ cl}$

(i)  $8.5 \text{ cl} =$  **85**  $\text{ cm}^3$       (j)  $4201 =$  **0.42**  $\text{ m}^3$

(k)  $64.5 \text{ ml} =$  **64\,500**  $\text{ mm}^3$       (l)  $833 \text{ mm}^3 =$  **0.00833**  $\text{ dl}$

(m)  $0.04 \text{ dm}^3 =$  **0.4**  $\text{ dl}$       (n)  $78.9 \text{ cl} =$  **0.789**  $\text{ dm}^3$

(o)  $0.3 \text{ hl} =$  **0.03**  $\text{ m}^3$       (p)  $7\,200\,000 \text{ ml} =$  **7.2**  $\text{ m}^3$