

# Övningsblad 3.5

## Enhetsomvandlingar

liter	dl	cl	ml
1	10	100	1 000
0,1	1	10	100
0,01	0,1	1	10
0,001	0,01	0,1	1

m <sup>3</sup>	dm <sup>3</sup> = liter	cm <sup>3</sup> = ml
1	1 000	1 000 000
0,001	1	1 000
0,000 001	0,001	1

**1** Skriv rätt enhet.

- A Ett badkar rymmer ca 200 \_\_\_\_\_      B Ett mjölkpaket rymmer ca 10 \_\_\_\_\_  
C En läskburk rymmer ca 33 \_\_\_\_\_      D En matsked rymmer ca 15 \_\_\_\_\_

**2** Ringa in den volym som är störst.

- A 0,3 dl eller 33 cl      B 400 ml eller 99 cl  
C 500 dl eller 500 cl      D 88 000 dl eller 10 000 l

**3** Fyll i det som saknas för att likheten ska gälla.

- a) 5 l = \_\_\_\_\_ dl      b) 6 l = \_\_\_\_\_ cl      c) 9 l = \_\_\_\_\_ ml  
d) 15 l = \_\_\_\_\_ dl      e) 35 dl = \_\_\_\_\_ l      f) 1 500 ml = \_\_\_\_\_ l  
g) 200 cl = \_\_\_\_\_ l      h) 100 cl = \_\_\_\_\_ dl      i) 350 ml = \_\_\_\_\_ cl

**4** Skriv som centiliter.

- a) 5 l = \_\_\_\_\_ cl      b) 2 dl = \_\_\_\_\_ cl      c) 50 l = \_\_\_\_\_ cl  
d) 5 dl = \_\_\_\_\_ cl      e) 0,4 dl = \_\_\_\_\_ cl      f) 20 ml = \_\_\_\_\_ cl

**5** Skriv som milliliter.

- a) 1 l = \_\_\_\_\_ ml      b) 5 dl = \_\_\_\_\_ ml      c) 25 cl = \_\_\_\_\_ ml  
d) 2 l = \_\_\_\_\_ ml      e) 0,4 dl = \_\_\_\_\_ ml      f) 50 cl = \_\_\_\_\_ ml

**6** Skriv volymerna i storleksordning. Börja med den minsta.

150 ml    2 dl    0,3 l    50 ml    33 cl

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**7** Skriv som  $\text{dm}^3$ .

a)  $1 \text{ m}^3 =$  \_\_\_\_\_  $\text{dm}^3$

b)  $73 \text{ m}^3 =$  \_\_\_\_\_  $\text{dm}^3$

c)  $0,5 \text{ m}^3 =$  \_\_\_\_\_  $\text{dm}^3$

d)  $0,004 \text{ m}^3 =$  \_\_\_\_\_  $\text{dm}^3$

**8** Skriv som  $\text{cm}^3$ .

a)  $1 \text{ dm}^3 =$  \_\_\_\_\_  $\text{cm}^3$

b)  $22 \text{ dm}^3 =$  \_\_\_\_\_  $\text{cm}^3$

c)  $0,8 \text{ dm}^3 =$  \_\_\_\_\_  $\text{cm}^3$

d)  $0,001 \text{ dm}^3 =$  \_\_\_\_\_  $\text{cm}^3$

**9** Fyll i det som saknas för att likheten ska gälla.

a)  $1 \text{ dm}^3 =$  \_\_\_\_\_  $\text{m}^3$

b)  $1 \text{ cm}^3 =$  \_\_\_\_\_  $\text{dm}^3$

c)  $25 \text{ dm}^3 =$  \_\_\_\_\_  $\text{m}^3$

d)  $400 \text{ dm}^3 =$  \_\_\_\_\_  $\text{m}^3$

**10** Fyll i det som saknas för att likheten ska gälla.

a)  $2 \text{ m}^3 =$  \_\_\_\_\_  $\text{dm}^3 =$  \_\_\_\_\_  $\text{cm}^3$

b)  $0,05 \text{ m}^3 =$  \_\_\_\_\_  $\text{dm}^3 =$  \_\_\_\_\_  $\text{cm}^3$

c) \_\_\_\_\_  $\text{m}^3 = 950 \text{ dm}^3 =$  \_\_\_\_\_  $\text{cm}^3$

**11** Fyll i det som saknas för att likheten ska gälla.

a)  $2\,000 \text{ cm}^3 =$  \_\_\_\_\_  $\text{dm}^3 =$  \_\_\_\_\_  $\text{m}^3$

b)  $500 \text{ cm}^3 =$  \_\_\_\_\_  $\text{dm}^3 =$  \_\_\_\_\_  $\text{m}^3$

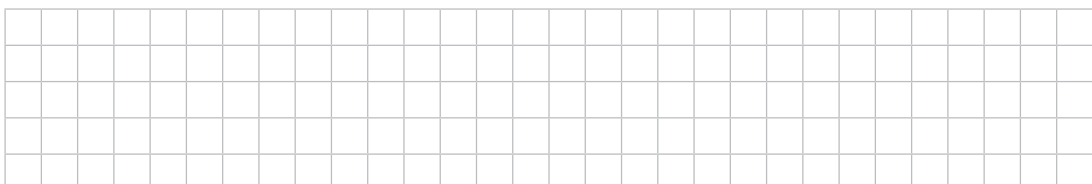
c) \_\_\_\_\_  $\text{cm}^3 = 45 \text{ dm}^3 =$  \_\_\_\_\_  $\text{m}^3$

**12** En stor tärning har formen av en kub. Varje sida är 2 dm.

a) Beräkna tärningens volym. Svara i  $\text{cm}^3$ . \_\_\_\_\_

b) Hur stor är tärningens volym i  $\text{dm}^3$ ? \_\_\_\_\_

c) Hur stor är tärningens volym i  $\text{m}^3$ ? \_\_\_\_\_



**13** Skriv som liter.

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

b)  $1,5 \text{ dm}^3 = \underline{\hspace{2cm}} \text{ l}$

c)  $0,4 \text{ dm}^3 = \underline{\hspace{2cm}} \text{ l}$

d)  $3 \text{ dm}^3 = \underline{\hspace{2cm}} \text{ l}$

**14** Skriv som milliliter.

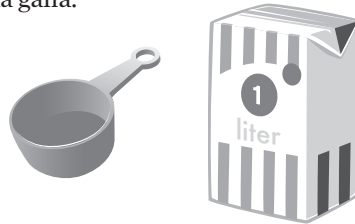
a)  $1,5 \text{ cm}^3 = \underline{\hspace{2cm}} \text{ ml}$

b)  $1,1 \text{ cm}^3 = \underline{\hspace{2cm}} \text{ ml}$

c)  $0,8 \text{ cm}^3 = \underline{\hspace{2cm}} \text{ ml}$

d)  $3 \text{ cm}^3 = \underline{\hspace{2cm}} \text{ ml}$

**15** Fyll i det som saknas för att likheten ska gälla.



a)  $\underline{\hspace{2cm}} \text{ l} = \underline{\hspace{2cm}} \text{ dl} = 100 \text{ cl} = \underline{\hspace{2cm}} \text{ ml} = \underline{\hspace{2cm}} = \text{dm}^3 = \underline{\hspace{2cm}} \text{ cm}^3$

b)  $\underline{\hspace{2cm}} \text{ l} = \underline{\hspace{2cm}} \text{ dl} = 33 \text{ cl} = \underline{\hspace{2cm}} \text{ ml} = 0,33 \text{ dm}^3 = \underline{\hspace{2cm}} \text{ cm}^3$

c)  $0,11 = \underline{\hspace{2cm}} \text{ dl} = \underline{\hspace{2cm}} \text{ cl} = \underline{\hspace{2cm}} \text{ ml} = \underline{\hspace{2cm}} \text{ dm}^3 = 100 \text{ cm}^3$

**16** Fyll i det som saknas för att likheterna ska gälla.

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

b)  $4 \underline{\hspace{2cm}} = 4\,000 \text{ dm}^3 = 4\,000\,000 \underline{\hspace{2cm}}$

c)  $0,07 \text{ m}^3 = \underline{\hspace{2cm}} \text{ dm}^3 = \underline{\hspace{2cm}} \text{ cm}^3$

d)  $\underline{\hspace{2cm}} \text{ m}^3 = 8\,000 \underline{\hspace{2cm}} = 8\,000\,000 \text{ cm}^3$

e)  $900 \underline{\hspace{2cm}} = 0,9 \text{ dm}^3 = 0,000\,9 \underline{\hspace{2cm}}$

f)  $1\,200 \text{ cm}^3 = \underline{\hspace{2cm}} \text{ dm}^3 = \underline{\hspace{2cm}} \text{ m}^3$

g)  $0,0014 \text{ m}^3 = \underline{\hspace{2cm}} \text{ dm}^3 = \underline{\hspace{2cm}} \text{ cm}^3$

h)  $\underline{\hspace{2cm}} \text{ m}^3 = 94 \text{ dm}^3 = \underline{\hspace{2cm}} \text{ cm}^3$