

## Lösungen Arbeitsblatt



### 4 Die Darstellung kleiner Zahlen

- a**
- |  |  |   |
|--|--|---|
| $0.0005 = 5 \cdot 10^{-3}$                             | $0.021 = 2.1 \cdot 10^{-2}$                            | $0.106 = 1.06 \cdot 10^{-1}$                          |
| $0.00047 = 4.7 \cdot 10^{-4}$                          | $0.0083 = 8.3 \cdot 10^{-3}$                           | $0.00000901 = 9.01 \cdot 10^{-6}$                     |
| $0.03 \text{ g} = 3 \cdot 10^{-2} \text{ g}$           | $0.85 \text{ ml} = 8.5 \cdot 10^{-1} \text{ ml}$       | $0.092 \text{ s} = 9.2 \cdot 10^{-2} \text{ s}$       |
| $0.125 \text{ mm}^3 = 1.25 \cdot 10^{-1} \text{ mm}^3$ | $0.0073 \text{ mm}^2 = 7.3 \cdot 10^{-3} \text{ mm}^2$ | $0.000406 \text{ mm} = 4.06 \cdot 10^{-4} \text{ mm}$ |
- b**
- |   |  |   |
|---|--|---|
| $3 \cdot 10^{-2} = 0.03$                            | $6.3 \cdot 10^{-3} = 0.0063$                         | $1.08 \cdot 10^{-1} = 0.108$                            |
| $2.7 \cdot 10^{-4} = 0.00027$                       | $8.09 \cdot 10^{-3} = 0.00809$                       | $4.603 \cdot 10^{-2} = 0.04603$                         |
| $5 \cdot 10^{-1} \text{ g} = 0.5 \text{ g}$         | $4.19 \cdot 10^{-2} \text{ ml} = 0.0419 \text{ ml}$  | $7.3 \cdot 10^{-3} \text{ s} = 0.0073 \text{ s}$        |
| $6.09 \cdot 10^{-2} \text{ mm} = 0.0609 \text{ mm}$ | $1.203 \cdot 10^{-1} \text{ mg} = 0.1203 \text{ mg}$ | $8.62 \cdot 10^{-2} \text{ mm}^3 = 0.0862 \text{ mm}^3$ |
- c**
- |  |   |
|--|---|
| $3.5 \text{ mm} = 3.5 \cdot 10^{-3} \text{ m} = 0.0035 \text{ m}$    | $46.7 \text{ mm} = 46.7 \cdot 10^{-3} \text{ m} = 0.0467 \text{ m}$       |
| $7 \mu\text{m} = 7 \cdot 10^{-6} \text{ m} = 0.000007 \text{ m}$     | $2.8 \mu\text{m} = 2.8 \cdot 10^{-6} \text{ m} = 0.0000028 \text{ m}$     |
| $12 \text{ nm} = 12 \cdot 10^{-9} \text{ m} = 0.000000012 \text{ m}$ | $59.2 \text{ nm} = 59.2 \cdot 10^{-9} \text{ m} = 0.0000000592 \text{ m}$ |