

Name:

Datum:

Maßeinheiten der Masse - Aufgaben zum Grundwissen - Lösungen

1. Trage die folgenden Masseangaben in die Stellenwerttafel ein. Notiere sie anschließend in der gemischten Schreibweise in der rechten Spalte hinter dem Gleichheitszeichen.

- a) 2 845g b) 34 003kg c) 1 400 050mg d) 25 750g e) 1 200 034g
 f) 2 250kg g) 13 004mg h) 102 030g i) 976 500kg j) 14 950g
 k) 8 012mg l) 400 000 000mg m) 62 584mg n) 654 000g o) 90 000kg

| t | | | kg | | | g | | | mg | | | |
|------|-----|----|-------|------|-----|------|-----|----|-------|------|-----|-----------------|
| 100t | 10t | 1t | 100kg | 10kg | 1kg | 100g | 10g | 1g | 100mg | 10mg | 1mg | |
| | | | | | 2 | 8 | 4 | 5 | | | | = 2kg 845g |
| | 3 | 4 | 0 | 0 | 3 | | | | | | | = 34t 3kg |
| | | | | | 1 | 4 | 0 | 0 | 0 | 5 | 0 | = 1kg 400g 50mg |
| | | | | 2 | 5 | 7 | 5 | 0 | | | | = 25kg 750g |
| | | 1 | 2 | 0 | 0 | 0 | 3 | 4 | | | | = 1t 200kg 34g |
| | | 2 | 2 | 5 | 0 | | | | | | | = 2t 250kg |
| | | | | | | | 1 | 3 | 0 | 0 | 4 | = 13g 4mg |
| | | | 1 | 0 | 2 | 0 | 3 | 0 | | | | = 102kg 30g |
| 9 | 7 | 6 | 5 | 0 | 0 | | | | | | | = 976t 500kg |
| | | | | 1 | 4 | 9 | 5 | 0 | | | | = 14kg 950g |
| | | | | | | | | 8 | 0 | 1 | 2 | = 8g 12mg |
| | | | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | = 400kg |
| | | | | | | | 6 | 2 | 5 | 8 | 4 | = 62g 584mg |
| | | | 6 | 5 | 4 | 0 | 0 | 0 | | | | = 654kg |
| | 9 | 0 | 0 | 0 | 0 | | | | | | | = 90t |

2. Trage die folgenden Masseangaben in die Stellenwerttafel ein. Schreibe sie anschließend in der in Klammer angegebenen Maßeinheit auf. Benutze hierfür wieder die rechte Spalte der Tabelle.

- a) 4kg 24g (g) b) 2t 5kg (kg) c) 11kg 11g (g) d) 2kg 120g 13mg (mg)
 e) 30t 258kg 55g (g) f) 500kg 27mg (mg) g) 481t 50kg (kg) h) 92kg 416mg (mg)
 i) 5kg 200g (g) j) 48kg 84mg (mg) k) 1t 10kg 100g (g) l) 909t 90kg (kg)
 m) 45kg 400g (mg) n) 23t (kg) o) 123kg (g) p) 3t 4300kg (kg) (!)

| t | | | kg | | | g | | | mg | | | |
|------|-----|----|-------|------|-----|------|-----|----|-------|------|-----|-----------------|
| 100t | 10t | 1t | 100kg | 10kg | 1kg | 100g | 10g | 1g | 100mg | 10mg | 1mg | |
| | | | | | 4 | 0 | 2 | 4 | | | | = 4 024g |
| | | 2 | 0 | 0 | 5 | | | | | | | = 2 005kg |
| | | | | 1 | 1 | 0 | 1 | 1 | | | | = 11 011g |
| | | | | | 2 | 1 | 2 | 0 | 0 | 1 | 3 | = 2 120 013mg |
| | 3 | 0 | 2 | 5 | 8 | 0 | 5 | 5 | | | | = 30 258 055g |
| | | | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | = 500 000 027mg |
| 4 | 8 | 1 | 0 | 5 | 0 | | | | | | | = 481 050kg |
| | | | | | | | 9 | 2 | 4 | 1 | 6 | = 92 416mg |
| | | | | | 5 | 2 | 0 | 0 | | | | = 5 200g |
| | | | | 4 | 8 | 0 | 0 | 0 | 0 | 8 | 4 | = 48 000 084mg |
| | | 1 | 0 | 1 | 0 | 1 | 0 | 0 | | | | = 1 010 100g |
| 9 | 0 | 9 | 0 | 9 | 0 | | | | | | | = 909 090kg |
| | | | | 4 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | = 45 400 000mg |
| | 2 | 3 | 0 | 0 | 0 | | | | | | | = 23 000kg |
| | | | 1 | 2 | 3 | 0 | 0 | 0 | | | | = 123 000g |
| | | 7 | 3 | 0 | 0 | | | | | | | = 7 300kg |