



1.) Which units belong to the terms? Write down the complete word(s) and the short form(s).

| term       | unit(s)                              |
|------------|--------------------------------------|
| Temperatur | <b>Grad Celsius [°C]</b>             |
| Länge      | <b>Zentimeter [cm] and Meter [m]</b> |
| Gewicht    | <b>Gramm [g] and Kilogramm [kg]</b>  |
| Entfernung | <b>Kilometer [km]</b>                |

2a.) Länge: Convert the following lengths into the cm/m-system.

| inch and foot | cm and m   |
|---------------|--|
| 12"           | <b><math>12 \times 2.54 = 30.48 \text{ cm}</math></b>                    |
| 3' 3"         | <b><math>3 \times 30.48 + 3 \times 2.54 = 99.06 \text{ cm}</math></b>    |
| 5' 1"         | <b><math>5 \times 30.48 + 1 \times 2.54 = 154.94 \text{ cm}</math></b>   |
| 10'           | <b><math>10 \times 30.48 = 304.8 \text{ cm} = 3.048 \text{ m}</math></b> |

2b.) Länge: Translate the following sentences into German using the cm/m-system.

| English                    | German                            |
|----------------------------|-----------------------------------|
| The house is 30 foot wide. | <b>Das Haus ist 9.14 m breit.</b> |
| Mary Jane is 5' 2" tall.   | <b>Mary Jane ist 1.57 m groß.</b> |
| The door is 7' high.       | <b>Die Tür ist 2.13 m hoch.</b>   |
| The bed is 5' 9" long.     | <b>Das Bett ist 1.75 m lang.</b>  |

3a.) Entfernung: Convert the following distances into the m/km-system.

| mile       | m and km   |
|------------|--|
| 0.5 mile   | <b><math>0.5 \times 1.61 = 0.81 \text{ km} = 810 \text{ m}</math></b>              |
| 1 mile     | <b><math>1.0 \times 1.61 = 1.61 \text{ km} = 1610 \text{ m}</math></b>             |
| 62 miles   | <b><math>62 \times 1.61 = 99.8 \text{ km} = 99\,800 \text{ m}</math></b>           |
| 7000 miles | <b><math>7000 \times 1.61 = 11\,270 \text{ km} = 11\,270\,000 \text{ m}</math></b> |



3b.) Entfernung: Translate the following sentences into German using the m/km-system.

| English   | German   |
|---|--|
| The distance between my apartment and the office is 1 mile. | <b><u>Die Entfernung zwischen meiner Wohnung und meinem Büro sind 1.61 km.</u></b> |
| The distance between Düren and Nideggen is 9.3 miles.       | <b><u>Die Entfernung zwischen Düren und Nideggen sind 15 km.</u></b>               |
| The distance between Nideggen and Schwabegg is 391 miles.   | <b><u>Die Entfernung zwischen Nideggen und Schwabegg sind 630km.</u></b>           |
| How far is to the city centre of Nideggen?                  | <b><u>Wie weit ist es bis zum Stadtzentrum von Nideggen?</u></b>                   |

4a.) Gewicht: Convert the following weights into the g/kg-system.

| pound   | m and km                            |
|---------|-------------------------------------|
| 10 lb   | <b><u>10 x 0.45 = 4.5 kg</u></b>    |
| 0.5 lb  | <b><u>0.5 x 0.45 = 0.225 kg</u></b> |
| 200 lb  | <b><u>200 x 0.45 = 90kg</u></b>     |
| 5000 lb | <b><u>5000 x 0.45 = 2250 kg</u></b> |

4b.) Gewicht: Translate the following sentences into German using the g/kg-system.

| English                               | German                                |
|---------------------------------------|---------------------------------------|
| The book weighs 2lb.                  | <b><u>Das Buch wiegt 908 g.</u></b>   |
| I weigh 110 lb.                       | <b><u>Ich wiege 50 kg.</u></b>        |
| Jane weighs 120 lb.                   | <b><u>Jane wiegt 54,5 kg.</u></b>     |
| Do you (informal) weigh more than me? | <b><u>Wiegst du mehr als ich?</u></b> |

5.) Temperatur: Translate the following sentences into German

| English                   | German                                   |
|---------------------------|--|
| It's very warm today.     | <b><u>Es ist heute sehr warm.</u></b>    |
| It's 20° C warm.          | <b><u>Es ist 20°C warm.</u></b>          |
| It's -10° C cold.         | <b><u>Es ist -10°C kalt.</u></b>         |
| How warm is it in Manila? | <b><u>Wie warm ist es in Manila?</u></b> |