**9 February 2021**

**Activity 1: Answers**

Please mark your work and do corrections before moving on to today’s work.

1. 5 263 mm to m.

5 263 ÷ 10 ÷ 100 = 5,263 m

2. 943 kg to tonnes.

943 ÷ 1000 = 0,943 tonnes

3. 650 000 cm2 to m2.

650 000 ÷ 1002 = 65 m2

4. 36 m3 to cm3.

36 x 1003 = 36 000 000 cm3

**Topic: Mass conversion table**

Column – Vertical (going down)

Row – Horizontal (going across)

Find the units you are **CONVERTING FROM** in the **first column** (on the left hand side).

Now find the unit you want to **CONVERT TO** in the **first row** (at the top).

Where the first column selected and the unit at the top row meet, you will find the correct conversion factor.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **g** | **kg** | **oz** | **lb** |
| **g (gram)** |  | ÷ 1000 | X 0,0353 | ÷ 453,59 |
| **kg (kilogram)** | X 1000 |  | X 35,274 | X 2,2046 |
| **oz (ounce)** | X 28,3495 | X 0,02835 |  | ÷ 16 |
| **lb (pound)** | X 453,59 | X 0,4536 | X 16 |  |

**Example 1**

Convert 10 kg to oz.

Factor from table 🡪 **x 35,274**

Therefore :

10 **x 35,274** = 352,74 oz

**Example 2**

Convert 12 lb to kg.

 Factor from table 🡪 **x 0,4536**

Therefore :

12 **x 0,4536** = 5,4432 kg

**Activity 2:**

Convert the following correct to 2 decimal places.

1. 278 kg to lb.

2. 2,5 oz to g.

3. 50 g to kg.

4. 1 lb to oz.

5. 980 lb to kg.