

### Metric Unit Conversion - Mass

Example 1 : 46500 g = \_\_\_\_\_ kg

**1000 grams = 1 kilogram**

$$46500 \text{ g} = \frac{46500}{1000}$$

$$= \mathbf{46.5 \text{ kg}}$$

Example 2 : 46.5 kg = \_\_\_\_\_ g

**1 kilogram = 1000 grams**

$$46.5 \text{ kg} = 46.5 \times 1000$$

$$= \mathbf{46500 \text{ g}}$$

Convert the following grams (g) to kilograms (kg).

1) 70263 g = _____ kg	2) 24280 g = _____ kg
3) 54300 g = _____ kg	4) 8000 g = _____ kg
5) 62132 g = _____ kg	6) 43510 g = _____ kg
7) 10340 g = _____ kg	8) 24100 g = _____ kg

Convert the following kilograms (kg) to grams (g).

9) 35.2 kg = _____ g	10) 70.43 kg = _____ g
11) 41.236 kg = _____ g	12) 13 kg = _____ g
13) 65.5 kg = _____ g	14) 27.89 kg = _____ g
15) 50.01 kg = _____ g	16) 82.8 kg = _____ g

**Answer key**

Example 1 : 46500 g = \_\_\_\_\_ kg

**1000 grams = 1 kilogram**

$$46500 \text{ g} = \frac{46500}{1000}$$

$$= \mathbf{46.5 \text{ kg}}$$

Example 2 : 46.5 kg = \_\_\_\_\_ g

**1 kilogram = 1000 grams**

$$46.5 \text{ kg} = 46.5 \times 1000$$

$$= \mathbf{46500 \text{ g}}$$

Convert the following grams (g) to kilograms (kg).

1) 70263 g = 70.263 kg

2) 24280 g = 24.28 kg

3) 54300 g = 54.3 kg

4) 8000 g = 8 kg

5) 62132 g = 62.132 kg

6) 43510 g = 43.51 kg

7) 10340 g = 10.34 kg

8) 24100 g = 24.1 kg

Convert the following kilograms (kg) to grams (g).

9) 35.2 kg = 35200 g

10) 70.43 kg = 70430 g

11) 41.236 kg = 41236 g

12) 13 kg = 13000 g

13) 65.5 kg = 65500 g

14) 27.89 kg = 27890 g

15) 50.01 kg = 50010 g

16) 82.8 kg = 82800 g