

**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) 24890 g = \_\_\_\_\_ kg

2) 46130 g = \_\_\_\_\_ kg

3) 25000 g = \_\_\_\_\_ kg

5) 24456 g = \_\_\_\_\_ kg

7) 14200 g = \_\_\_\_\_ kg

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

9) 67.23 kg = \_\_\_\_\_ g

11) 43.897 kg = \_\_\_\_\_ g

13) 55.03 kg = \_\_\_\_\_ g

14) 67.4 kg = \_\_\_\_\_ g

15) 34 kg = \_\_\_\_\_ g

16) 10.8 kg = \_\_\_\_\_ g

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**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) 24890 g = <u>24.89</u> kg	2) 46130 g = <u>46.13</u> kg
3) 25000 g = _____ kg	4) 38000 g = <u>38</u> kg
5) 24456 g = <u>24.456</u> kg	6) 77000 g = <u>77</u> kg
7) 14200 g = _____ kg	8) 11000 g = <u>11</u> kg
<div style="border: 2px solid #007bff; padding: 10px; background-color: #e0f0ff;"> <h1 style="margin: 0; color: #007bff;">PREVIEW</h1> <p style="margin: 5px 0 0 0; color: #007bff;">Access the largest collection of worksheets for just <b>\$19.95</b> per year!</p> <div style="display: flex; justify-content: space-around; margin: 10px 0;"> <div style="background-color: #007bff; color: white; padding: 5px; border-radius: 10px; width: 40%;"> <p style="margin: 0; font-size: 0.9em;">Members, please log in to download this worksheet.</p> <p style="text-align: center; margin: 0; font-weight: bold; color: red;">Log in</p> </div> <div style="background-color: #007bff; color: white; padding: 5px; border-radius: 10px; width: 40%;"> <p style="margin: 0; font-size: 0.9em;">Not a member? Please sign up to gain complete access.</p> <p style="text-align: center; margin: 0; font-weight: bold; color: red;">Sign up</p> </div> </div> <p style="margin: 10px 0 0 0; color: #007bff; font-size: 0.8em;">www.mathworksheets4kids.com</p> </div>	
9) 67.23 kg = _____ g	10) 2900 g = <u>2.9</u> kg
11) 43.897 kg = _____ g	12) 1780 g = <u>1.78</u> kg
13) 55.03 kg = <u>55030</u> g	14) 67.4 kg = <u>67400</u> g
15) 34 kg = <u>34000</u> g	16) 10.8 kg = <u>10800</u> g