

**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) 13230 g = \_\_\_\_\_ kg

2) 34800 g = \_\_\_\_\_ kg

3) 42000 g = \_\_\_\_\_ kg

5) 76210 g = \_\_\_\_\_ kg

7) 10453 g = \_\_\_\_\_ kg

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

9) 68.6 kg = \_\_\_\_\_ g

11) 46.921 kg = \_\_\_\_\_ g

13) 32.8 kg = \_\_\_\_\_ g

14) 75.7 kg = \_\_\_\_\_ g

15) 28.19 kg = \_\_\_\_\_ g

16) 41.05 kg = \_\_\_\_\_ g

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**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) 13230 g = <u>13.23</u> kg	2) 34800 g = <u>34.8</u> kg
3) 42000 g = _____ kg	4) 36000 g = <u>36</u> kg
5) 76210 g = _____ kg	6) 76210 g = <u>76.21</u> kg
7) 10453 g = _____ kg	8) 10453 g = <u>10.453</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: 10px; border-radius: 10px; width: 40%;"> <p style="margin: 0;">Members, please log in to download this worksheet.</p> <p style="text-align: center; margin: 5px 0;"><b>Log in</b></p> </div> <div style="background-color: #007bff; color: white; padding: 10px; border-radius: 10px; width: 40%;"> <p style="margin: 0;">Not a member? Please sign up to gain complete access.</p> <p style="text-align: center; margin: 5px 0;"><b>Sign up</b></p> </div> </div> <p style="margin: 10px 0 0 0; color: #007bff; text-align: center;"><a href="http://www.mathworksheets4kids.com">www.mathworksheets4kids.com</a></p> </div>	
9) 68.6 kg = _____ g	10) 68.6 kg = <u>68600</u> g
11) 46.921 kg = _____ g	12) 46.921 kg = <u>46921</u> g
13) 32.8 kg = <u>32800</u> g	14) 75.7 kg = <u>75700</u> g
15) 28.19 kg = <u>28190</u> g	16) 41.05 kg = <u>41050</u> g