

Name : \_\_\_\_\_

## Metric Unit Conversion

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

**1000 grams = 1 kilogram**

$$46500 \text{ g} = \frac{46500}{1000} \text{ kg}$$
$$= \mathbf{46.5 \text{ kg}}$$

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

**1 kilogram = 1000 grams**

$$46.5 \text{ kg} = 46.5 \times 1000 \text{ g}$$
$$= \mathbf{46500 \text{ g}}$$

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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Name : \_\_\_\_\_

## Answer key

Kilogram and Gram: T1S3

# Metric Unit Conversion

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

**1000 grams = 1 kilogram**

$$46500 \text{ g} = \frac{46500}{1000} \text{ kg}$$
$$= \mathbf{46.5 \text{ kg}}$$

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

**1 kilogram = 1000 grams**

$$46.5 \text{ kg} = 46.5 \times 1000 \text{ g}$$
$$= \mathbf{46500 \text{ g}}$$

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

1) 13230 g = **13.23** kg

2) 34800 g = **34.8** kg

3) 42000 g = \_\_\_\_\_ **42** kg

5) 76210 g = \_\_\_\_\_ **76.21** kg

7) 10453 g = \_\_\_\_\_ **10.453** kg

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

9) 68.6 kg = \_\_\_\_\_ **68600** g

11) 46.921 kg = \_\_\_\_\_ **46921** g

13) 32.8 kg = **32800** g

14) 75.7 kg = **75700** g

15) 28.19 kg = **28190** g

16) 41.05 kg = **41050** g

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