

Conversion of Units

Example

$$\begin{aligned}
 &1369 \text{ g} \\
 &= \underline{1000} \text{ g} + \underline{369} \text{ g} \\
 &= \underline{1} \text{ kg} \quad \underline{369} \text{ g}
 \end{aligned}$$

Express the following in kilograms and grams.

1 4820 g

$$= \underline{\quad\quad\quad} \text{ g} + \underline{\quad\quad\quad} \text{ g}$$

$$= \underline{\quad\quad\quad} \text{ kg} \quad \underline{\quad\quad\quad} \text{ g}$$

3 6606 g

$$= \underline{\quad\quad\quad} \text{ g} + \underline{\quad\quad\quad} \text{ g}$$

$$= \underline{\quad\quad\quad} \text{ kg} \quad \underline{\quad\quad\quad} \text{ g}$$

2 7997 g

$$= \underline{\quad\quad\quad} \text{ g} + \underline{\quad\quad\quad} \text{ g}$$

$$= \underline{\quad\quad\quad} \text{ kg} \quad \underline{\quad\quad\quad} \text{ g}$$

4 8009 g

$$= \underline{\quad\quad\quad} \text{ g} + \underline{\quad\quad\quad} \text{ g}$$

$$= \underline{\quad\quad\quad} \text{ kg} \quad \underline{\quad\quad\quad} \text{ g}$$

Example

Convert 20 g to kilograms (kg).

$$1000 \text{ g} = 1 \text{ kg}$$

$$20 \text{ g} = 20 \div 1000$$

$$= \mathbf{0.02 \text{ kg}}$$

5 Convert 97 g to kilograms (kg).

6 Convert 402 g to kilograms (kg).

7 Convert 3610 g to kilograms (kg).

Adapted:

Learning Maths Book 3 & 5

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8 Convert 5 g to kilograms (kg).

9 Express 8 kg 9 g as a decimal in kilograms.

10 Express 37 kg 35 g as a decimal in kilograms.

Answers:

1	4000, 820
2	7000, 997
3	6000, 606
4	8000, 9
5	0.097 kg
6	0.402 kg
7	3.61 kg
8	0.005 kg
9	8.009 kg
10	37.035 kg