

## Converting units of mass

Name:	Class:	Date:
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Mark	/ 10	%
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1) Convert between the units of weight [2]

a)  $9 \text{ kg} = \dots\dots\dots \text{ g}$

b)  $10 \text{ kg} = \dots\dots\dots \text{ tonnes}$

2) Write missing units of mg, g or kg to make the sentences correct [1]

a)  $9000 \text{ mg} = 9 \dots\dots\dots$

b)  $6000 \dots\dots\dots = 6 \text{ kg}$

3) Write missing units of mg, g or kg to make the sentences correct [1]

a)  $7.4 \text{ g} = 7400 \dots\dots\dots$

b)  $3800 \dots\dots\dots = 3.8 \text{ kg}$

4) Complete the sentences to make them true. [1]

a)  $9000 \text{ mg} = \dots\dots\dots \text{ g}$

b)  $\dots\dots\dots \text{ g} = 4 \text{ kg}$

5) Complete the sentences to make them true. [1]

a)  $5.1 \text{ g} = \dots\dots\dots \text{ mg}$

b)  $\dots\dots\dots \text{ kg} = 2600 \text{ g}$

6) Complete the table

[1]

<b>Kilograms</b>	<b>1</b>	<b><math>\frac{3}{4}</math></b>	<b><math>\frac{1}{2}</math></b>	<b><math>\frac{1}{4}</math></b>
<b>Grams</b>	1000			

7) Complete the table

[1]

<b>Kilograms</b>	<b><math>\frac{3}{5}</math></b>	<b><math>\frac{3}{20}</math></b>	<b><math>\frac{1}{100}</math></b>	<b><math>\frac{1}{10}</math></b>
<b>Grams</b>				

8) Complete the table

[1]

<b>Grams</b>	<b>1</b>	<b><math>\frac{1}{4}</math></b>	<b><math>\frac{1}{2}</math></b>	<b><math>\frac{3}{4}</math></b>
<b>Milligrams</b>	1000			

9) Complete the table

[1]

<b>Tonnes</b>	<b>1</b>	<b><math>\frac{3}{4}</math></b>	<b><math>\frac{1}{2}</math></b>	<b><math>\frac{1}{4}</math></b>
<b>Kilograms</b>	1000			

## Solutions for the assessment Converting units of mass

1) a) 9000 g

b) 0.01 tonnes

2) a) 9000 mg = 9 g

3) a) 7.4 g = 7400 mg

b) 6000 g = 6 kg

b) 3800 g = 3.8 kg

4) a) 9000 mg = 9 g

5) a) 5.1 g = 5100 mg

b) 4000 g = 4 kg

b) 2.6 kg = 2600 g

6) 1000, 750, 500, 250

7) 600, 150, 10, 100

8) 1000, 250, 500, 750

9) 1000, 750, 500, 250