

Convert Metric Measures



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Fluency Teaching Slides

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Learning 1

Convert Metric Measures

Remember these facts:

1 kg

=

1,000 g

1,000 kg

=

1 tonne

Example 1

Convert Metric Measures

Convert grams to kilograms.

3,000 g

=

___ kg

There are 1,000 g in a kg, so we need to divide 3,000 by 1,000 to convert this into kg.

$$3,000 \div 1,000 = 3$$

3,000 g

=

3 kg

÷ 1,000



g kg

Example 2

Convert Metric Measures

Convert grams to kilograms.

1,500 g

=

___ kg

There are 1,000 g in a kg, so we need to divide 1,500 by 1,000 to convert this into kg.

$$1,500 \div 1,000 = 1.5$$

1,500 g

=

1.5 kg

÷ 1,000



g kg

Example 4

Convert Metric Measures

Convert kilograms to grams.

2.05 kg

=

— g

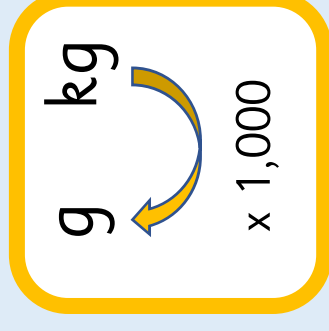
There are 1,000 g in a kg, so we need to multiply 2.05 by 1,000 to convert this into g.

$$2.05 \times 1,000 = 2,050$$

2.05 kg

=

2,050 g



Example 3

Convert Metric Measures

Convert kilograms to grams.

20 kg

=

— g

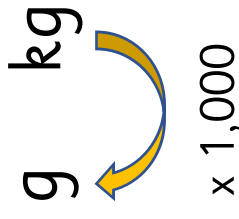
There are 1,000 g in a kg, so we need to multiply
20 by 1,000 to convert this into g.

$$20 \times 1,000 = 20,000$$

20 kg

=

20,000 g

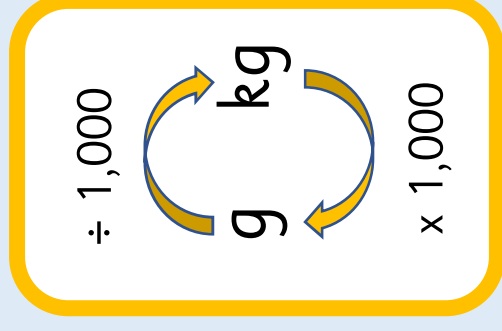


Activity 1

Convert Metric Measures

Complete the table.

Grams	Kilograms
2,500	
	4.05
2,005	
4,020	
	2.15
6,700	

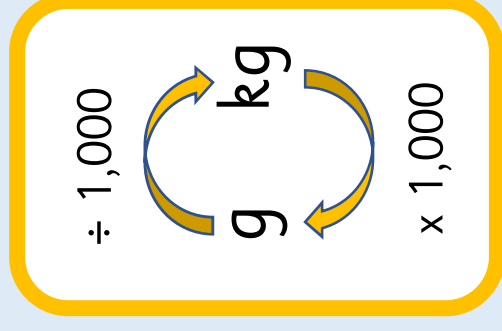


Activity 1

Convert Metric Measures

Complete the table.

Grams	Kilograms
2,500	2.5
4,050	4.05
2,005	2.005
4,020	4.02
2,150	2.15
6,700	6.7



Example 5

Convert Metric Measures

Convert kilograms to tonnes.

7,000 kg

=

___ tonnes

There are 1,000 kg in a tonne, so we need to divide 7,000 by 1,000 to convert this into kg.

$$7,000 \div 1,000 = 7$$

7,000 kg

=

7 tonnes

÷ 1,000



kg t

Example 6

Convert Metric Measures

Convert kilograms to tonnes.

1,356 kg

=

___ tonnes

There are 1,000 kg in a tonne, so we need to divide 1,356 by 1,000 to convert this into kg.

$$1,356 \div 1,000 = 1.356$$

1,356 kg

=

1.356 tonnes

÷ 1,000



kg t

Example 7

Convert Metric Measures

Convert tonnes to kilograms.

4.56 tonnes

=

___ kg

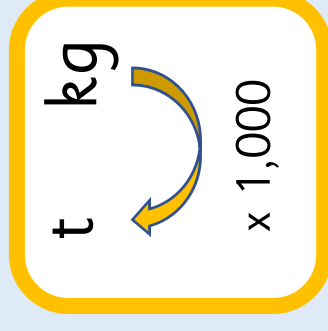
There are 1,000 kg in a tonne, so we need to multiply 4.56 by 1,000 to convert this into kg.

$$4.56 \times 1,000 = 4,560$$

4.56 tonnes

=

4,560 kg

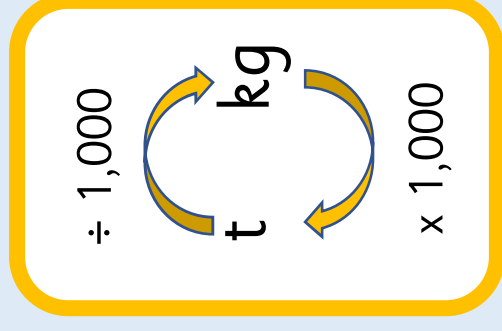


Activity 2

Convert Metric Measures

Complete the table.

Kilograms	Tonnes
6,000	
	4.009
1,705	
435	
	0.741
126	



Activity 2

Convert Metric Measures

Complete the table.

Kilograms	Tonnes
6,000	6
4,009	4.009
1,705	1.705
435	0.435
741	0.741
126	0.126

