

## Bronze

1a. Check each of the conversions and correct any that are wrong.

$9\text{km} = 900\text{m}$

$20,000\text{g} = 20\text{kg}$

$3,000\text{g} = 30\text{kg}$

$8.0\text{kg} = 8,000\text{g}$



VF

2a. Complete the table:

	True or false?
$3\text{kg} < 2,000\text{g}$	
$2\text{kg} < 4,000\text{g}$	
$4\text{km} = 4,000\text{m}$	
$8,000\text{m} > 7\text{km}$	



VF

3a. Select a number from the box to make these statements correct.

$3\text{kg} < \underline{\hspace{2cm}} \quad \underline{\hspace{2cm}} > 2\text{kg}$

$80\text{km} = \underline{\hspace{2cm}} \quad 4,000\text{m} > \underline{\hspace{2cm}}$

4,000	80,000	3,000	2
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Include the correct unit of measurement.



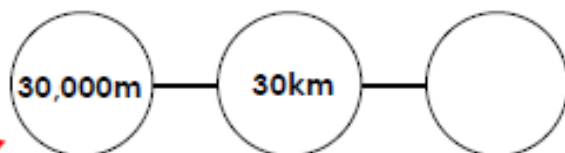
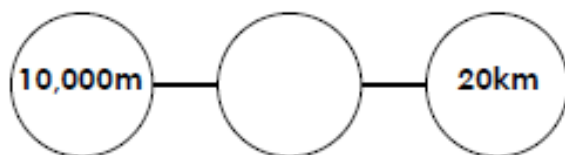
VF

4a. Jessica swims for 3km and runs for 5km.

How many metres does she complete altogether?

1b. Complete so that each line adds up to 70km.

Give your answers in metres.



PS

2b. Using the cards below, create 3 different comparison statements.



PS

3b. A bunch of banana weighs 500g.



Is Jack correct?  
Explain how you know.

5a. Check each of the conversions and correct any that are wrong.

$$3,000\text{m} = 3.0\text{km} \quad 700\text{m} = 7.0\text{km}$$

$$1.5\text{km} = 1,500\text{m} \quad 2.7\text{kg} = 27,000\text{g}$$

$$3,300\text{g} = 3.3\text{kg} \quad 1,100\text{g} = 1.1\text{kg}$$



VF

6a. Complete the table:

	True or false?
$3\text{kg} > 2,500\text{g}$	
$27\text{kg} > 2,070\text{g}$	
$4.2\text{km} = 420\text{m}$	
$420\text{m} > 4.2\text{km}$	



VF

7a. Select a number from the box to make these statements correct.

$$3.5\text{kg} < \underline{\hspace{2cm}} \quad \underline{\hspace{2cm}} > 27\text{kg}$$

$$9.8\text{km} > \underline{\hspace{2cm}} \quad 4,200\text{m} = \underline{\hspace{2cm}}$$

4.2	9,700	5,500	31,000
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Include the correct unit of measurement.

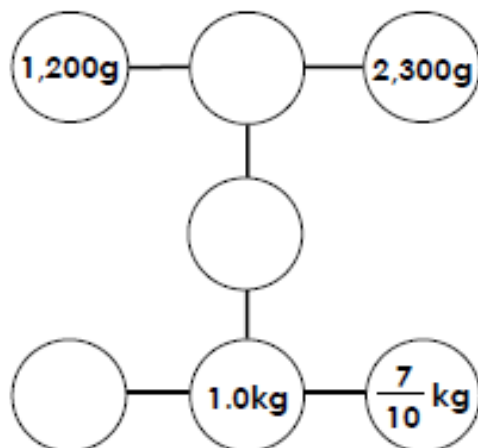


VF

8a. If Miles uses  $\frac{3}{10}$  of a 1kg bag of flour.

How many grams are left in the bag?

4b. Complete the circles so that each line adds up to 4,000g in every direction. Give your answer in kilograms.



PS

5b. Using the cards below, create 3 different comparison statements.



PS

6b. A box of blueberries weighs 500g.



Is Ewan correct?  
Explain how you know.

9a. Check each of the conversions and correct any that are wrong.

$$3,500\text{m} = 3.05\text{km} \quad 560\text{m} = 0.56\text{km}$$

$$1.76\text{km} = 1,760\text{m} \quad 0.43\text{kg} = 4,300\text{g}$$

$$5,510\text{g} = 5.51\text{kg} \quad 12,060\text{g} = 12.06\text{kg}$$



VF

10a. Complete the table:

	True or false?
$3.54\text{kg} < 3,450\text{g}$	
$27.64\text{kg} < 26,740\text{g}$	
$3.02\text{km} = 3,020\text{m}$	
$4,230\text{m} < 4.32\text{km}$	



VF

11a. Select a number from the box to make these statements correct.

$$6.78\text{kg} < \underline{\hspace{2cm}} \quad \underline{\hspace{2cm}} > 2.73\text{kg}$$

$$9,800\text{m} > \underline{\hspace{2cm}} \quad 260\text{m} = \underline{\hspace{2cm}}$$

7,430	8.08	0.26	9,850
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Include the correct unit of measurement.

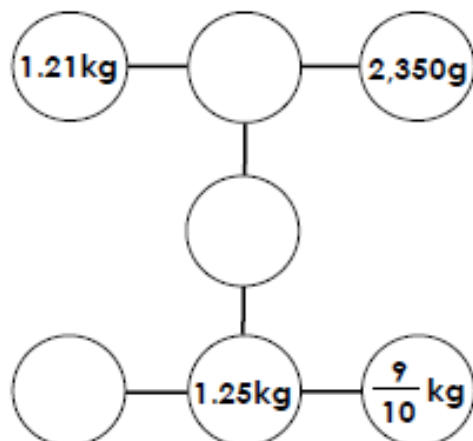


VF

12a. Grace throws a ball 100m and it rolls for a further 10m.

How far does the ball travel in kilometres?

7b. Complete the circles so that each line adds up to 8.3kg in every direction. Give your answer in kilograms.



PS

8b. Using the cards below, create 3 different comparison statements.



PS

9b. A pear weighs 252g.



Is Harrison correct?  
Explain how you know.

### Challenge

1. Ryan is trying to work a route for his journey. He estimates the different lengths of various routes on a map.

Route Lengths	
2.62km	0.95km
$1\frac{1}{5}$ km	2,150m
3,450m	6.11km
0.45km	1,980m
$2\frac{3}{4}$ km	$\frac{1}{2}$ km



Using at least 6 different routes above, explore which combinations he could choose which would add up to less than 10km in total.

He has chosen to use 5 different routes. What is the longest route he could have chosen?

2. Walter is trying to lose weight for a swimming competition. His current weight is 80.87kg and needs to be between 79kg to 79.5kg.

He has 2 weeks and can do one activity each day but needs to rest at least one day each week.

Activity	Weight Difference
Circuit Training	- 290g
Rowing	- 0.14kg
Skipping	- 180g
Swimming	- A quarter of a kilogram
Football	- $\frac{4}{5}$ of 380g
Running	- 0.23kg
Rest day	+ 410g



What activities could he choose to do? You must use at least 4 different activities for each week?