Monday Activity: Kilograms and Kilometres

Key facts to remember when answering questions:

1 kilogram (kg) = 1000 grams (g)

½ kg = 500 g

1 kilometre (km) = 1000 metres (m)

½ km = 500 m

Please choose the level that best suits you: green, pink or purple.

There are 2 parts in each level. Please answer both parts.

An extension is provided for each level.

Why not challenge yourself? Do more than one level.

Green

Part 1:

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

9km = 900m 20,000g = 20kg

3,000g = 30kg 8.0kg = 8,000g

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

4,000m = 40km 1,000g = 1kg

6.0kg = 6,000g 8kg = 8,000g

2a. Complete the table:

	True or false?
3kg < 2,000g	
2kg < 4,000g	
4km = 4,000m	
8,000m > 7km	

2b. Complete the table:

	True or false?
7,000g > 7kg	
3km = 30,000m	
9km > 900m	
6,000m > 6km	

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

3kg < _____ _____ > 2kg

80km = _____ 4,000m > _____

4,000	80,000	3,000	2

Include the correct unit of measurement.

VF

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

4kg > _____ _____ = 90,000g

8,000m > _____ 6km < _____

2,000	6	7,000	90

Include the correct unit of measurement.

VF

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

How many metres does she complete altogether?

VF

4b. Louis mixes 2,000g of flour and 1,000g of sugar in a bowl.

How much does the sugar and flour weigh altogether in kilograms?

VF

Part 2:

1a. Complete so that each line adds up to 8kg.
Give your answers in grams.

4,000g — 1kg — ( )

( ) — 2,000g — 5kg

PS

1b. Complete so that each line adds up to 70km.
Give your answers in metres.

10,000m — ( ) — 20km

30,000m — 30km — ( )

PS

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

60kg 7,000g 2,000g

< >

PS

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

2kg 5,000g 2,000g

< =

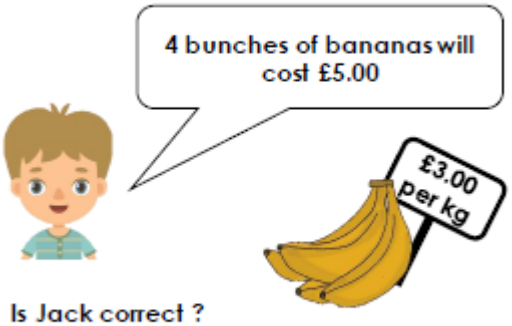
PS

Extension:

3a. A pack of strawberries weighs 500g.

Is Beth correct?
Explain how you know.

3b. A bunch of banana weighs 500g.



Is Jack correct ?
Explain how you know.

Pink

Part 1:

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

3,000m = 3.0km	700m = 7.0km
1.5km = 1,500m	2.7kg = 27,000g
3,300g = 3.3kg	1,100g = 1.1kg

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

7.3kg = 7,300g	500m = 0.5km
4,900m = 49km	8.8kg = 8,800g
20,200m = 2.0km	3,200m = 3.2km

6a. Complete the table:

	True or false?
3kg > 2,500g	
27kg > 2,070g	
4.2km = 420m	
420m > 4.2km	

6b. Complete the table:

	True or false?
7,000g > 6.5kg	
3km = 30,000m	
9km > 900m	
6,000m > 6.1km	

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

3.5kg < _____ _____ > 27kg

9.8km > _____ 4,200m = _____

4.2	9,700	5,500	31,000

Include the correct unit of measurement.

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

3.4kg > _____ _____ = 9,900g

800m > _____ 6.7km < _____

0.6	7,600	9.9	3,300

Include the correct unit of measurement.

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

How many grams are left in the bag?

VF

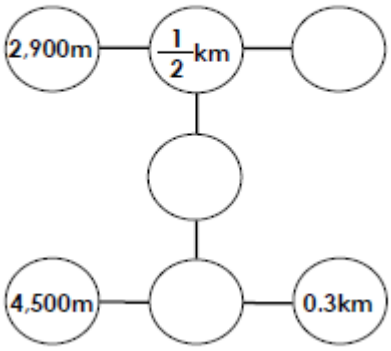
8b. Harvey travels $\frac{3}{10}$ km by bike. He then walks 5km.

How many metres does he travel?

VF

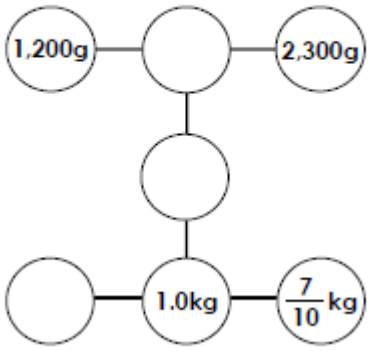
Part 2:

4a. Complete the circles so that each line adds up to 5,000m in every direction. Give your answer in kilometres.



PS

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



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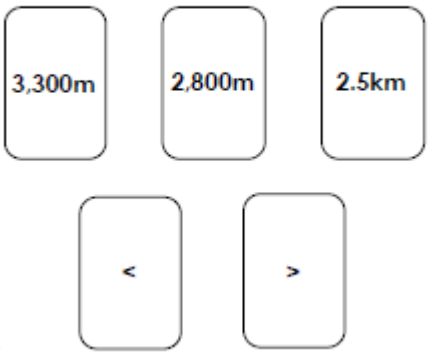
5a. Using the cards below, create 3 different comparison statements.



PS

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

PS

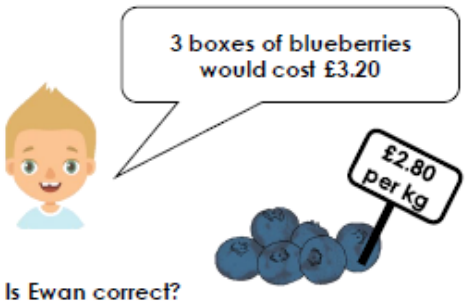
Extension:

6a. A bag of oranges weighs 1,500g.

Is Nadia correct?
Explain how you know.

R

6b. A box of blueberries weighs 500g.



Is Ewan correct?
Explain how you know.

R

Purple

Part 1:

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

3,500m = 3.05km 560m = 0.56km

1.76km = 1,760m 0.43kg = 4,300g

5,510g = 5.51kg 12,060g = 12.06kg

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

7.03kg = 7,030g 120m = 0.12km

4,970m = 49.7km 0.23kg = 230g

30,300m = 33km 3,210m = 3.21km

10a. Complete the table:

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

10b. Complete the table:

	True or false?
9.01km < 9,100m	
0.38km = 3,800m	
3.13kg < 3,140g	
3,410g < 3.43kg	

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

6.78kg < _____ _____ > 2.73kg

9,800m > _____ 260m = _____

7,430	8.08	0.26	9,850

Include the correct unit of measurement.

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

4.42km > _____ _____ = 950m

720g > _____ 2.37kg < _____

5,670	0.71	0.95	3,320

Include the correct unit of measurement.

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

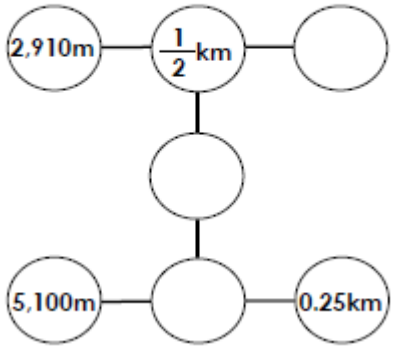
How far does the ball travel in kilometres?

12b. Suha has $3\frac{7}{10}$kg of rice.

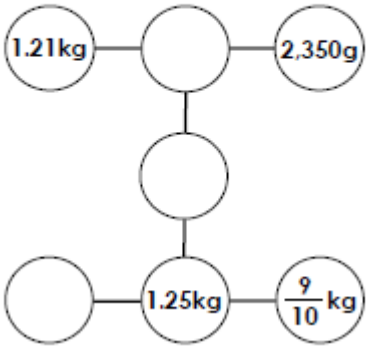
How many grams of rice does she have?

Part 2:

7a. Complete the circles so that each line adds up to 6.5km in every direction. Give your answer in kilometres.



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

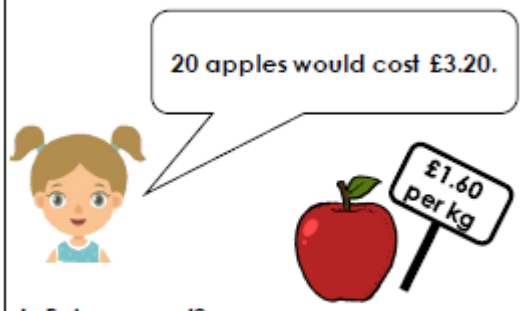


8a. Using the cards below, create 3 different comparison statements.

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

Extension:

9a. Each apple weighs 105g.



Is Ruby correct?
Explain how you know.

9b. A pear weighs 252g.

Is Harrison correct?
Explain how you know.