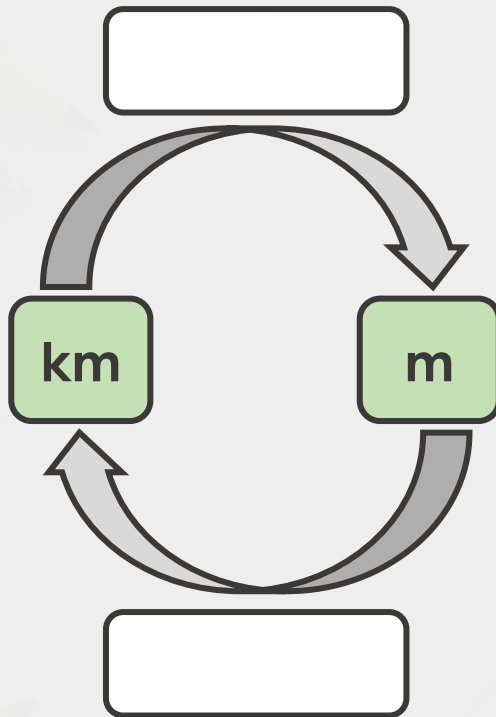# Year 5: Kilograms and Kilometres
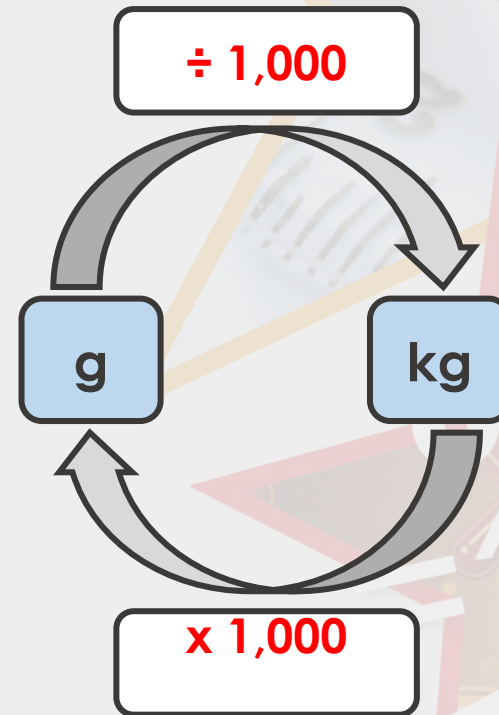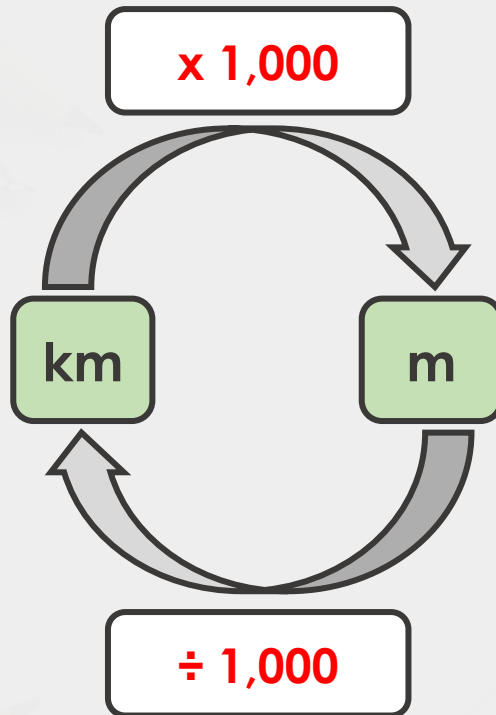
Complete the boxes to show what you must do to convert these units of measure.

Complete the boxes to show what you must do to convert these units of measure.

x 1,000

km → m

÷ 1,000

÷ 1,000

g → kg

x 1,000

Y5
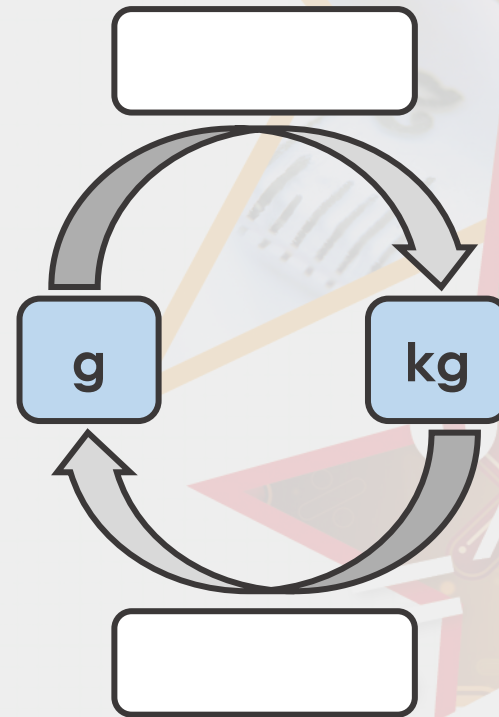
Check each of the conversions and correct any that are wrong.

6,000m = 6.0km   900m = 9.0km

7.5km = 7,500m   4.7kg = 4,070g

50,000g = 5.5kg   150g = 15.0kg

200m = 2.0km   8.1kg = 810g

1,600g = 1.6kg   1,900m = 1.9km

Y5

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

6,000m = 6.0km

900m = **0.9km**
9,000m = 9km

7.5km = 7,500m

4.7kg = **4,700g**
4.07kg = 4,070g

50,000g = **50kg**
5,500g = 5.5kg

150g = **0.15kg**
15,000g = 15kg

200m = **0.2km**
2,000m = 2.0km

8.1kg = **8,100g**
0.81kg = 810g

1,600g = 1.6kg

1,900m = 1.9km

Y5

True or false?

4kg > 3,500g

21kg > 2,010g

7.3km = 730m

2,900m > 2.9km

Y5

True or false?

4kg > 3,500g

True

21kg > 2,010g

True

7.3km = 730m

False (>)

2,900m > 2.9km

False (=)

Y5

Select a number from the box to make these statements correct. Add the correct unit of measurement.

5kg < _____   _____ > 16kg

7.1km > _____   3,900m = _____

3.9	17,000	5,300	4,800

Y5

Select a number from the box to make these statements correct. Add the correct unit of measurement.

5kg < <u>5,300g</u>   <u>17,000g</u> > 16kg

7.1km > <u>4,800m</u>   3,900m = <u>3.9km</u>

3.9	17,000	5,300	4,800

Y5

Mike runs $\frac{9}{10}$ of 1km.

How many metres does he run?

Y5

Mike runs $\dfrac{9}{10}$ of 1km.

How many metres does he run?
900m

1km = 1,000m
1,000m ÷ 10 = 100m
100m x 9 = 900m

Y5

Complete the circles so that each line adds up to 7,000g in every direction. Give your answer in kilograms.

| 0.5kg | | 2,400g |

2.7kg   400g

Y5

Complete the circles so that each line adds up to 7,000g in every direction. Give your answer in kilograms.

0.5kg	4.1kg	2,400g
	0.2kg	
3.9kg	2.7kg	400g

Y5

Using the cards below, create as many comparisons as you can.

| 5,500 m | 4.3km | 2,300 m | < | > |

Y5
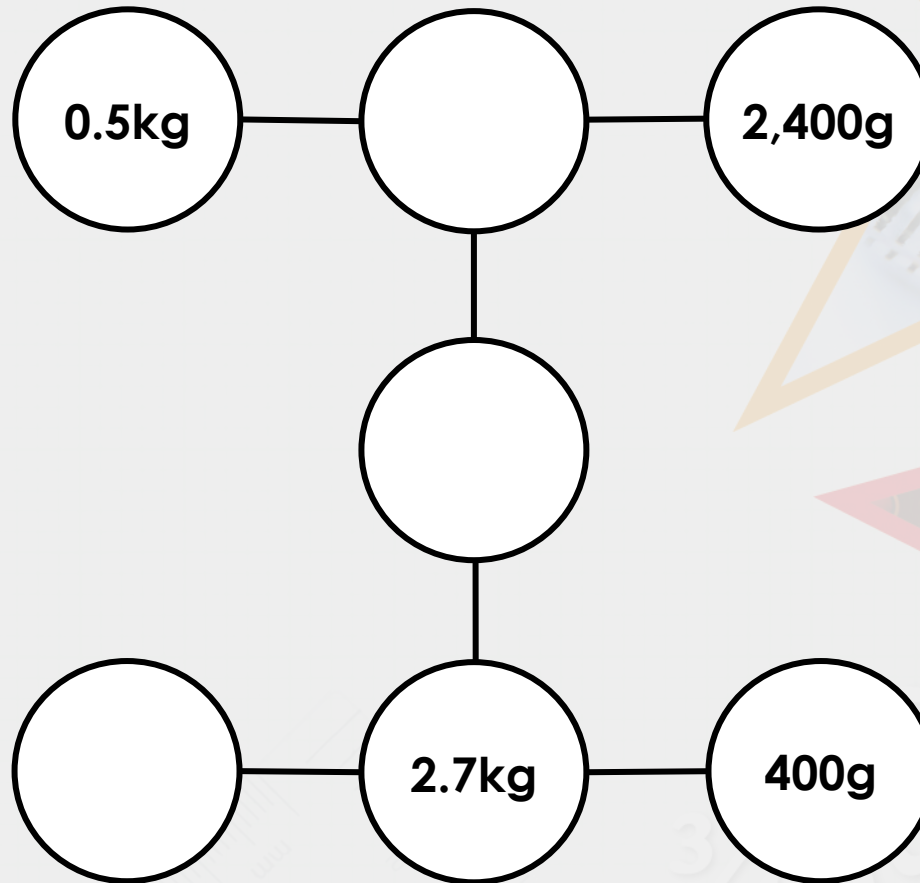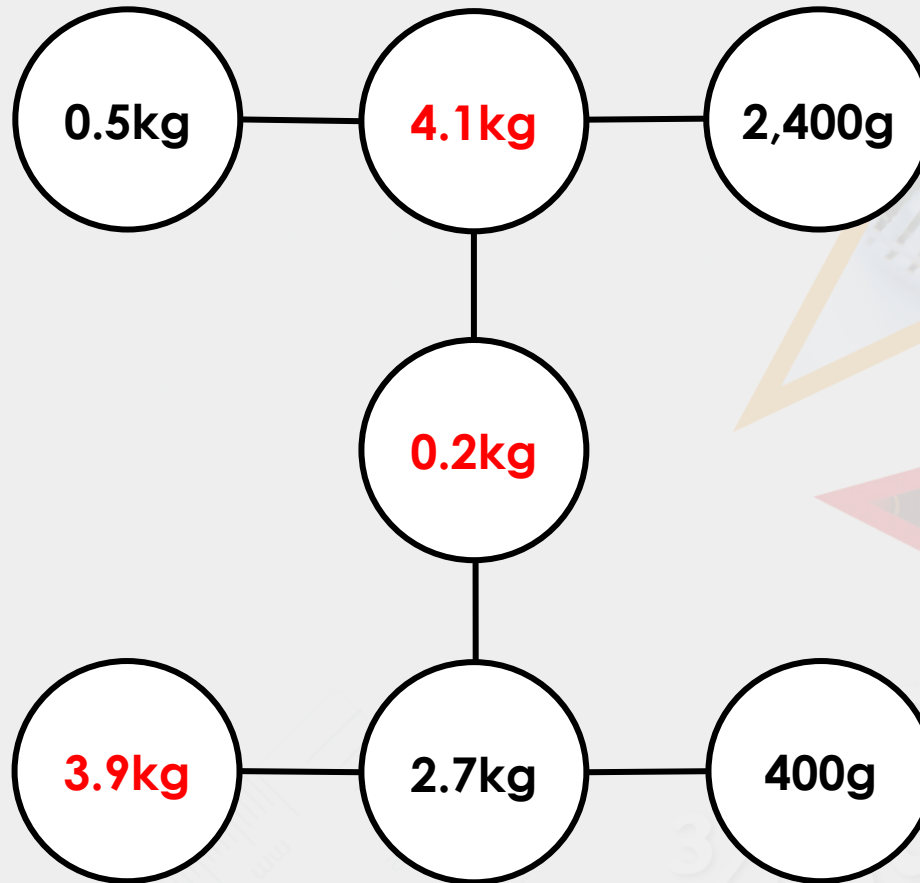
Using the cards below, create as many comparisons as you can.

| 5,500 m | 4.3km | 2,300 m | < | > |

4.3km < 5,500m
2,300m < 5,500m
2,300m < 4.3km

5,500m > 4.3km
5,500m > 2,300m
4.3km > 2,300m

Y5

Each bunch of bananas weighs 550g.

I have £3.50 to spend, so I can buy 2 bunches of bananas.

£3.50 per kg

Is Kim right?
Explain how you know.

Y5

Each bunch of bananas weighs 550g.

I have £3.50 to spend, so I can buy 2 bunches of bananas.

£3.50 per kg
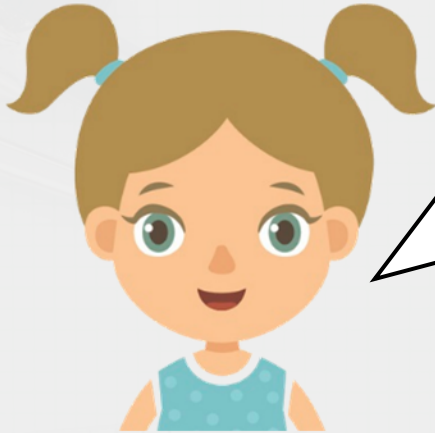
Is Kim right?
Explain how you know.

Kim is incorrect because…

Y5

Each bunch of bananas weighs 550g.

I have £3.50 to spend, so I can buy 2 bunches of bananas.

£3.50 per kg

Is Kim right?
Explain how you know.

Kim is incorrect because 2 bunches would be 550g x 2 = 1,100g = 1.1kg. Kim only has enough money for 1kg of bananas.

Y5

Year 5 developing

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

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

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

5 VF

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

5 VF

2a. Complete the table:

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

5 VF

2b. Complete the table:

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

5 VF

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.

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.

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

| 60kg | 7,000g | 2,000g |

| < | > |

5 PS

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

| 2kg | 5,000g | 2,000g |

| < | = |

5 PS

3a. A pack of strawberries weighs 500g.

2 packs of strawberries will cost £4.00

£4.00 per kg

Is Beth correct?
Explain how you know.

3b. A bunch of banana weighs 500g.

4 bunches of bananas will cost £5.00

£3.00 per kg

Is Jack correct ?
Explain how you know.

Year 5 Expected

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

5 VF

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

5 VF

6a. Complete the table:

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

5 VF

6b. Complete the table:

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

5 VF

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.

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

| 3,300m | 2,800m | 2.5km |

| < | > |

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

| 3.3kg | 3,500g | 3.9kg |

| < | > |

5 PS

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

A bag of oranges would cost £3.90.

£2.60 per kg

Is Nadia correct?
Explain how you know.

6b. A box of blueberries weighs 500g.

3 boxes of blueberries would cost £3.20

£2.80 per kg

Is Ewan correct?
Explain how you know.

Year 5 Greater Depth

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

5 VF

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

5 VF

10a. Complete the table:

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

5 VF

10b. Complete the table:

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

5 VF

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.

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

| 4.05kg | 4,500g | 4,320g |

| < | > |

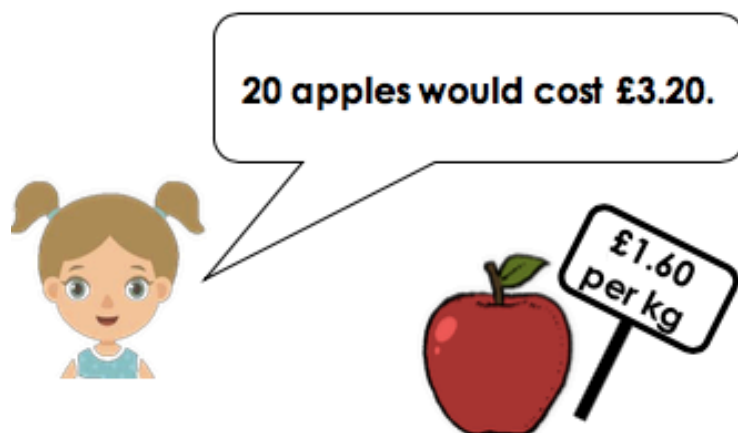**8b.** Using the cards below, create 3 different comparison statements.

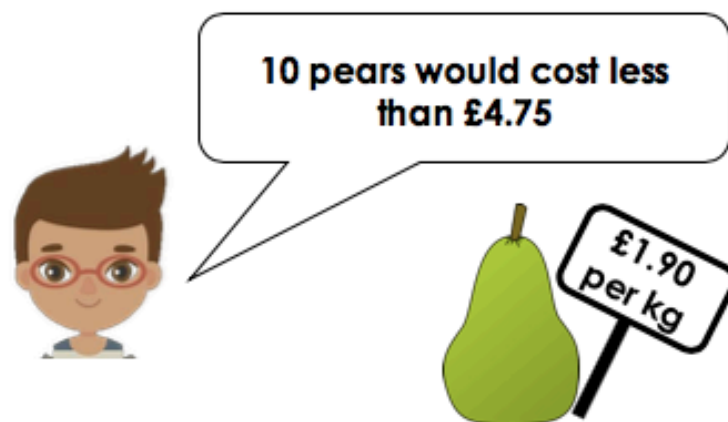| 3.7kg | 3,007g | 3.07kg |

| < | > |

9a. Each apple weighs 105g.

20 apples would cost £3.20.

£1.60 per kg

Is Ruby correct?
Explain how you know.

9b. A pear weighs 252g.

10 pears would cost less than £4.75

£1.90 per kg

Is Harrison correct?
Explain how you know.