Converting between metric units

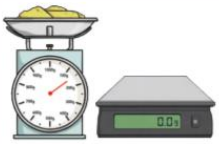
Watch these clips: https://www.youtube.com/watch?v=URwMPphTvv8

https://www.youtube.com/watch?v=zLRv028h9Is

You might want to keep referring to this conversion chart.

Remember you are moving the decimal place 3 places when x and ÷ by 1,000

Converting Mass



×1000

kg ⇄ g

÷1000

1000g = 1kg

$\frac{1}{10}$kg = 0.1kg = 100g

$\frac{1}{4}$kg = 0.25kg = 250g

$\frac{1}{2}$kg = 0.5kg = 500g

$\frac{3}{4}$kg = 0.75kg = 750g

Converting Capacity

×1000

l ⇄ ml

÷1000

1000ml = 1 litre

$\frac{1}{10}$l = 0.1l = 100ml

$\frac{1}{4}$l = 0.25l = 250ml

$\frac{1}{2}$l = 0.5l = 500ml

$\frac{3}{4}$l = 0.75l = 750ml

$\frac{1}{100}$l = 0.01l = 10ml

1. Fill in the missing boxes to convert these measurements.

8,000 ml = ____ L

700 ml = ____ L

_____ ml = 5 L

_____ ml = 0.6 L

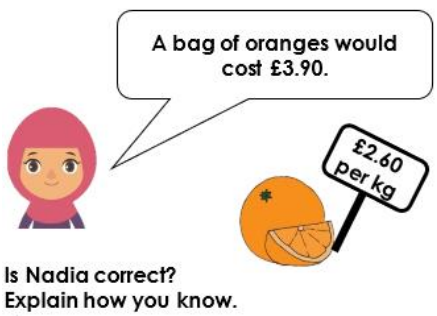
7,600 ml = ____ L

g	kg
567g	
	0.04kg
12g	
	10.07kg
3030g	
	500kg

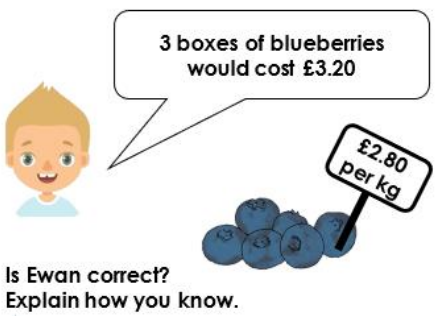
2. Compare these using < > or =

6 L ◯ 3,500 ml 30 L ◯ 30,000 ml

3. A bag of oranges weighs 1,500g. A box of blueberries weighs 500g.



Is Nadia correct?
Explain how you know.



Is Ewan correct?
Explain how you know.

ANSWERS

8,000 ml = 8 L

700 ml = 0.7 L

5,000 ml = 5 L

600 ml = 0.6 L

7,600 ml = 7.6 L

g	kg
567g	0.567kg
40g	0.04kg
12g	0.012kg
10 070g	10.07kg
3030g	3.03kg
500 000g	500kg

6 L > 3,500 ml

30 L = 30,000 ml

Nadia is correct. 1,500g is equivalent to 1.5kg. 1 kg costs £2.60 so 0.5kg would cost £1.30. £2.60 + £1.30 = £3.90.

Ewan is not correct. 3 x 500g = 1,500g, which is equivalent to 1.5kg. 1.5 x £2.80 = £4.20.