I can understand, use and convert between common metric and imperial units of mass.

One ounce is approximately the same as 28 grams. However, many people use the approximate conversion of  $1oz \approx 30g$ , which is quicker and simpler to calculate with.

1oz ≈ 30g 1lb ≈ 450g 1kg ≈ 2.2lb

1) Here is a recipe for biscuits. Convert the imperial measurements into metric units.



2) Fill in this chart to convert from pounds to grams.

1lb	2lb	5lb	10lb
450g			





 $\bigstar$ 

1oz ≈ 30g	1lb ≈ 450g	1kg ≈ 2.2lb
-----------	------------	-------------

3) The masses of these items of food have been recorded in either metric or imperial units of measurement. Convert each measurement into the given unit.



4) Sara adopted two kittens called Kiki and Ken. Kiki has a mass of 10oz; Ken's mass is 250g. Which kitten is heavier? Show your working out.





## Units of Mass Answers

Question	Answer							
1.	Convert the imperial meas	surement	s into metric units					
	240g butter 180g sugar 300g plain flour							
2.	Fill in this chart to convert from pounds to grams.							
	1lb	2lb		5lb		10lb		
	450g	900g		2250g		4500g		
3.	The masses of these items Convert each measuremer	of food h it into the	ave been recorded e given unit.	in either metric or	imperia	l units of measurement.		
	1000g		n	lb		2kg		
	6.6lb	2.2lb 500g						
4.	Sara adopted two kittens called Kiki and Ken. Kiki has a mass of 10oz; Ken's mass is 250g. Which kitten is heavier?							
	Kiki: 10oz ≈ 10 × 30g ≈ 300g Ken: 250g 250g is less than 300g so Kiki is heavier.							



## Units of Mass

I can understand, use and convert between common metric and imperial units of mass.

1oz ≈ 28g

1lb ≈ 450g

1kg ≈ 2.2lb

Here is a recipe for making rock cakes.
 Convert the imperial measurements into metric units.



2) Order these measurements from lightest to heaviest.

80g	5oz	50g	2oz		
Lightest	<		Heaviest		

3) Fill in this chart to convert from pounds to grams.

$\frac{1}{2}$ lb	1lb	2lb	5lb	10lb	20lb
	450g				



1oz ≈ 28g

1kg ≈ 2.2lb

- Jude bought 1kg of toffee at the sweet shop! Marius decided to buy 1½lb.
  a) Who bought the most toffee?
  - b) How much more toffee did they buy than the other person? Give your answer in grams and show your working out.
- 5) Tom was in the airport. His bag contained his laptop with a mass of 4kg; his books with a mass of 3lb; and his laptop charger with a mass of 2000g.

The airport staff said that he would have to pay more to take his bag into the cabin with him as it had a total mass of more than 15lb. Were they correct? Show your working out.







## Units of Mass Answers

Question	Answer							
1.	Convert the imperial measurements into metric units.							
	1689 butter 1129 sugar 2249 plain flour							
2.	Order these mea	surement	s from lig	htest to heaviest.				
	Lightest		←					Heaviest
	50g			202	80g			502
3.	Fill in this chart	to conve	rt from po	ounds to grams.				
	<u></u> 12lb	1	lb	2lb	5lb	10	lb	20lb
	225g	45	Og	900g	2250g	45	00g	9000g
4.	Jude bought 1kg o	of toffee a	t the swe	et shop! Marius dec	ided to buy 1½lb.			
α.	Jude bought more	toffee.						
b.	Marius bought 1½lb toffee ≈ 1.5 × 450g = 675g. 1kg – 675g = 325g Jude buys 325g more of toffee.							
5.	The airport staff said that he would have to pay more to take his bag into the cabin with him as it had a total mass of more than 15lb. Were they correct?							
	4kg ≈ 4 × 2.2lb = 2000g = 2kg ≈ 2 × 8.8lb + 4.4lb + 3lb The total mass wa	8.8lb 2.2lb = 4 b = 16.2lb is more th	.4lb an ISlb so	the airport staff we	re correct.			





I can understand, use and convert between common metric and imperial units of mass.

1oz ≈ 28g

1lb ≈ 450g

1kg ≈ 2.2lb

Here is a recipe for making rock cakes.
 Convert the imperial measurements into metric units.



2) Order these measurements from lightest to heaviest.

50g	3oz	580g	0.2kg	20oz	
Lightest	•			Heaviest	

3) Fill in this chart to convert from pounds to grams.

$\frac{1}{2}$ lb	1lb	2lb	4lb	5lb	10lb	15lb
	450g					



1oz ≈ 28g

- 4) Jaya is sending a parcel to her brother for his birthday. She has bought him a large book with a mass of 4lb and some camera equipment with a mass of 4kg. She wants to make sure that the total mass of the parcel is under 10kg so that she doesn't have to pay for the higher rate of postage.
  Can Jaya add another item with a mass of 5kg without exceeding a total mass of 10kg? Show your working out.
- 5) A bunch of 5 bananas has a total mass of 3kg. Yasmin takes 2 bananas with a mass of 3lb from the bunch. What is the average mass of each of the remaining bananas? Show your working out and give your answer in pounds.



## Units of Mass Answers

Question	Answer									
1.	Convert the imperial measurements into metric units.									
	2389 butter 1689 sugar 3089 plain flour									
2.	Order these m	easurements fro	om lightest to	heaviest.						
	Lightest							Heaviest		
	50g		3oz	0.2kg	200	2		580g		
3.	Fill in this cho	art to convert fr	om pounds to	grams.						
	<sup>1</sup> / <sub>2</sub> lb	1lb	2lb	4lb	5lb	10lb	)	15lb		
	225g	450g	900g	1800g	2250g	4500	9	6750g		
4.	Can Jaya add (	another item wi	th a mass of £	5kg without exceeding	ng a total mass	of 15kg?				
	4lb ≈ 4 × 450g = 1.8kg 1.8kg + 4kg + 5kg = 10.8kg No, Jaya would not be able to add a 5kg item without exceeding a total mass of 10kg.									
5.	What is the average mass of each of the remaining bananas? Show your working out and give your answer in pounds.									
	3kg ≈ 3 × 2.2lb 6.6lb – 3lb = 3. 3.6lb ÷ 3 = 1.2lk The average ma	= 6.6lb 6lb 5s of each of the	e remaining ba	nanas is 1.2lb.						

