	Steps to Success
	Lockdown
Date	
Subject/s	Maths
Learning Objective	To convert units of weight

					SA O M	TA	
Success Criteria	I know there are 1	1000g in 1kg					
✓! 📃	I can multiply an a place value grid	d divide by 1000 u l	sing or	visualising			
Support	Independent	Adult Support ()	Group Work			
<u>Pre-task:</u>							
Convert these unit	s:						
178kg =g							
2.5kg =	g						
k	g = 5695g						
k	g = 259g						

Mass



		I	Deci	mal	l Plo	ice V	Valu	le C	hart	t		
Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones	tenths	hundredths	thousandths	ten thousandths	hundred thousandths	millionths
м	HTh	TTh	Th	н	т	0	t	h	th	tth	hth	m
						•						

1.	Kilograms	Grams	2.	Kilograms	Grams	3.	Kilograms	Grams	4.	Kilograms	Grams	5.	Kilograms	Grams	6.	Kilograms	Grams
	0.252			6.371				266			9594]		819			3593
	0.633			5.079				69			7865]		236		7.793	
	0.191			3.213				231			7426		0.292			7.791	
	0.721			7.418				985			7702		0.448				2718
	0.725			4.402				867			6916	1		148			3079
	0.71			5.781				333			1742		0.876			1.193	
	0.583			3.897				967			7511		0.529				3191
	0.595			2.446				620			9753	1		403		2.257	
	0.625			5.861				459			3061	1		356		4.568	
	0.244			6.963				371			2098]	0.2				1722

Kilograms	Grams	2.	Kilograms	Grams	3.	Kilograms	Grams	4.	Kilograms	Grams	5.	Kilograms	Grams	6.	Kilograms	Grams
0.252	252		6.371	6371		0.266	266		9.594	9594]	0.819	819		3.593	3593
0.633	633		5.079	5079		0.069	69		7.865	7865]	0.236	236	1	7.793	7793
0.191	191		3.213	3213		0.231	231		7.426	7426]	0.292	292		7.791	7791
0.721	721		7.418	7418		0.985	985		7.702	7702		0.448	448		2.718	2718
0.725	725		4.402	4402		0.867	867		6.916	6916		0.148	148		3.079	3079
0.71	71		5.781	5781		0.333	333		1.742	1742		0.876	876		1.193	1193
0.583	583		3.897	3897		0.967	967		7.511	7511		0.529	529		3.191	3191
0.595	595		2.446	2446		0.62	620		9.753	9753]	0.403	403		2.257	2257
0.625	625		5.861	5861		0.459	459		3.061	3061		0.356	356		4.568	4568
0.244	244		6.963	6963		0.371	371		2.098	2098		0.2	200		1.722	1722



Answers
False because 1,001 g would be 1.001 kg etc.
11.853kg
439 x 27 = 11853
11853 divided by 1000 = 11.853
2.752kg
600 + 600 + 792 + 750 + 10 = 2752
5.544 kg
6 packets (554.4 g)
55.4 g left over
Laura receives
8 p change.
78 x 3 = 234 + 39 (1/2 78) = 273p (£2.73)
1.46 divided bu 2 = 0.73
1.46 + 0.73 = £2.19
£2.73+£2.19 = £4.92
£5.00-£4.92 = 0.08

Further Challenge

What's My Weight?



The picture shows four equal weights on one side of the scale and an apple on

the other side.

What can you say that is true about the apple and the weights?

If the apple weighs 180*g*, how heavy must one weight be?

If the apple weighed 375*g*, how heavy would one weight be?

If the apple was a giant one and weighed a full kilo and the weights were each 250*g*, what would the scale look like? How do you know? Can you prove it?

Further Challenge 2

Baby's Weight

Weighing the baby at the clinic was a problem. The baby would not keep still and caused the scales the wobble. So I held the baby and stood on the scales while the nurse read off 78kg. Then the nurse held the baby while I read off 69kg. Finally I held the nurse while the baby read off 137kg. What is the combined weight of all three (in kg)?