WEEK 2

Mass



DAY 1

OINVESTIGATION



WHAT IS MASS? L.O. Can I understand which units are used for measuring mass?

 You don't have to worry about milligrams. Equivalent Units of Mass - Metrics 1 kilogram (kg) = 1000 grams(g) 1 gram = 1000 milligrams (mg)

INVESTIGATION



L.O. Can I investigate how much things weigh?



Find some objects which have their weight on. The kitchen would probably be a good place to start.



Put them in order from lightest to heaviest.



What units of measurements have you found?

L.O. Can I estimate objects that weigh more or less than a kilogram?

• Find 8 objects.

 Estimate their weight. Do you think they weigh more or less than a kilogram.

• If you have a pair of scales check your estimates.

L.O. Can you put these objects in order from lightest to heaviest? 150g



130g

amata and Manzanil

730g



PATENT

FLOUR

ALL PURPOSE

SALE IN KUL

NET 1 Kg





800g



Think about animals.



Choose 8 animals put them in order of lightest to heaviest. Draw the animals.



DAY 2

Grams andKilograms

Which items would you measure in kilograms? Which items would you measure in grams?



Which items would you measure in kilograms? Which items would you measure in grams?



L.O. Can I consider lighter and heavier?

LO: To measure, compare, add and subtract: mass (g/kg) (ARE)

Answer the following word problems:



ANSWERS





3. apple, calculator, watermelon, sellotape.



4. banana, basketball, giraffe, lorry. (Unless it is a very big giraffe and a small lorry)



5. 65kg, 650g, 165g, 65g.

L.O. Can I estimate weights?



ANSWERS. These are my ideas yours might be different.

I. 400 kg	
2. 4kg	
3.20g	
4. 100kg	
5. 30g	
6. 85g	
7. 70kg	
8. 30g	
9.2kg	

Think!

• Have a go.



ANSWERS. Talk to someone at home about your ideas.

∘ 1.5kg	2. Ikg
∘ 3. 600 g	4. 100g
○ 5.80g	6. 700g

DAY 3

Converting grams and kilograms

L.O. Can I convert between grams and kilograms?

- ∘I kg = 1000g <u>∘So...</u>
- 1/2 kg = 500g
 1/4 kg = 250g
 1/10 kg = 100g



Complete this work.

• GRAMS	<u>KILOGRAMS</u>
○ 1000g	lkg
○ 500g	
○ 250g	
○ 750g	
○ 100g	
○ 200g	
○ 300g	3/10 kg
○ 400g	
○ 600g	
○ 700g	
○ 800g	
∘ 900 g	

Change these from grams to kilograms.

∘ I. 1000g =	2. 2000g =
• 3. 500g =	4. I,500g =
 ○ 5. 4,500g = 	6. 7,500g =
• 7.250g =	8. 750g =
 ∘ 9. 3,250g = 	10. 100g =
○ 11.600g =	12. 2,300g =

ANSWERS

∘ I. Ikg	2. 2kg
∘ 3. ½ kg	4. 1 ½ kg
∘ 5.4 ½ kg	6.7 ½ kg
∘ 7. ¼ kg	8. ¾ kg
∘ 9. ¼ kg	10. I/10 kg
∘ 11.6/10 kg	12.2 3/10 kg

Change these from kilograms to grams.

• 1.3 kg	2.9 kg
• 3.4 kg	4. 2 ½ kg
∘ 5.6 ³⁄₄ kg	6. 3/10 kg
∘ 7. 8/10 kg	8.7 ½ kg
∘ 9.11/10 kg	10.4/10 kg
∘ 11.10 kg	12.3 ¾ kg

ANSWERS

 Ⅰ. 3,000g 	2. 9,000g
 ○ 3. 4,000g 	4. 2,500g
 ○ 5. 6,750g 	6. 300g
• 7.800 g	8. 7,500g
∘ 9. I,100g	10. 400g
 II. I0,000g 	12.3,750g

L.O. Can I convert grams and Kilograms?

• This is tricky

1111		
	Grams and	d Kilograms 🛛 💓
L	O: To convert one unit	t of weight in to another.
		kemember
1222		equal to (or the same as) 1kg.
1111	-	ns =
1111	Kilograms in to gran	ns =
e) b) c) f) s) s) s) s) s) s) s) s) s) s) s) s) s)		the unit of measure givenlook carefully!
a)	2000g =kg	h) 1.5kg =9
b)	5000g =kg	i) 3.5kg =g
c)	9000g =kg	j) 1.25kg =9
d)	5040g =kg	k) 0.9kg =g
e)	250g =kg	l) 8.64kg =g
f)	675g =kg	m) 0.025kg =g
9)	480g =kg	n) 0.63kg =g
1111		t these word problems
1)		es he needs to bake. He needs 5 oranges for his
	 a) In grams? 	Og. What is the total weight of the oranges?
1111	b) In kilograms?	
22	and a second particular	
2)	A gardener has 10 plants to po	at. Each plant pat needs 50g of soil. How much soil
	does the gardener need altoge	ther?
1111	a) In grams?	
	b) In kilograms?	
3)	A builder has to fix 3 walls the	at have fallen down. He needs 2kg of cement for
	each wall. How much cement w	ill he need altogether?
1111	a) In kilograms?	
	b) In grams?	
222		
222		
fuummum		

Day 4

Reasoningproblems.

L.O. Can I solve reasoning problems?



ANSWERS

	I.6 units
凸	2.Tomato
Ρ	3.4 units
	4. Carrot
(!)	5. 13 units
ė	6. Carrot
Ð	7. Pineapple
Y	8. Broccoli





A pen has a mass of 15 grams. What is the mass of 5 identical pens?

A large box has a mass of 125 kilograms. A small box has a mass of 114 kilograms. What is the total mass of both boxes?

Sarah's fish tank holds 32 liters of water. Sarah uses a 4 liter container to fill the tank. How many times will Sarah need to fill the 4 liter container in order to fill the fish tank?

Ben has three cups, each filled with 325ml of lemonade. What is the total liquid volume of lemonade in the three cups?

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D

L.O. CAN I SOLVE WORD PROBLEMS?

ANSWERS









C.8 times



D. 975ml

DAY 5

Mixed Calculations

Try Ready, Steady or,
if you are feeling
brave, Go!

L.O. Can I solve mixed calculations?

• Ready	Steady	Go
∘ 3∣ + 27 =	145 + 229 =	357 + 298 =
• 87 – 34 =	824 – 118 =	626 – 269 =
• 43 x 3 =	146 x 5 =	51 x 26 =
∘ 54 ÷ 4 =	97 ÷ 6 =	204 ÷ 9 =
○ 173 + 18 =	338 + 194 =	2754 + 729 =
∘ 94 – 27 =	628 – 271 =	1378 – 928 =
• I7 x 4 =	78 x 6 =	47 x 52 =
∘ 47 ÷ 6 =	68 ÷ 3 =	136 ÷ 3 =
0		

- There are 153 children. If 64 are boys how many are girls?
- I have 175 cakes. They need to be put in tins. Each tin holds 12 cakes. How many tins will I need?
- I have 6 bags. Each bag has 17 oranges. I have 10 friends, How many oranges can I give to each friend?

ANSWERS



0	Ready	Steady	Go
0	58	374	655
0	53	706	357
0	129	730	1,326
0	13 r2	16 r l	22 r6
0	191	532	3,483
0	67	357	450
0	68	468	7,644
0	7 r5	22 r2	45 rl

- 89 girls
- 15 cake tins
- 10 oranges