

Maths Daily Tasks

04.05.20 – To measure mass using grams (g) and kilograms (kg) part 1

1000g = 1kg

1kg = roughly the weight of a pineapple

1) Would you measure these objects using grams or kilograms?

Object	Grams (g)	Kilograms (kg)
Handful of sand		
A boulder		
A bag of sugar		
A pot of paperclips		
A human adult		
3 watermelons		
A bag of frozen peas		

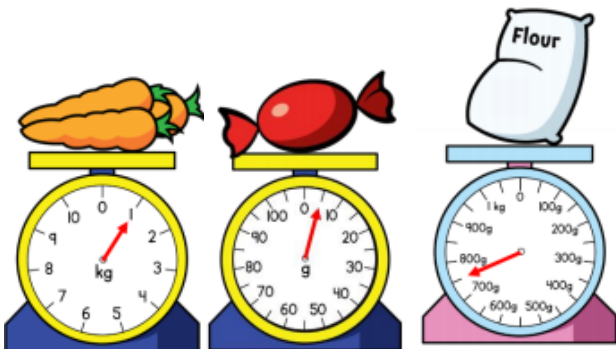
2) What is the same and what is different about these scales?



Same: _____

Different: _____

3) Find the mass of each item



4) Who do you agree with?



Jessie: "The potatoes weigh 13kg"
I agree/disagree because _____

Joseph: "We don't know how much they weigh because the number is hidden"
I agree/disagree because _____

Jack: "The potatoes weigh 7kg"
I agree/disagree because _____

5) Solve

The chocolate bar weighs 100g
a) How much does **one** muffin weigh?



Hint: Take away 1 muffin from each side.

b) How much does each side weigh?

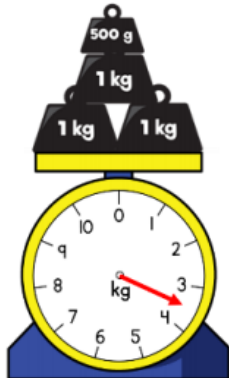
Extra Task:

If you have a set of scales at home can you weigh different objects to get as close to 2kg as possible? List which objects you used to do this or post a photo of you and your objects on Twitter. Why not make it interesting and find the strangest objects possible?

05.05.20 – To measure mass using grams (g) and kilograms (kg) part 2

1) Reading scales

a) What weight is on the scales?



b) How do the scales show this?

2) Complete the gaps



The toy car weighs 4 kg and _____ g



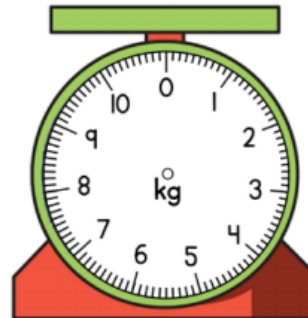
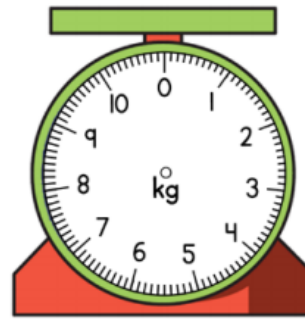
The potatoes weigh 2 kg and _____ g

Challenge:

If you have scales at home measure 5 objects in kg and g.

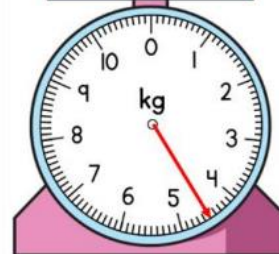
Object	kg and g
	_____ kg and _____ g
	_____ kg and _____ g
	_____ kg and _____ g
	_____ kg and _____ g
	_____ kg and _____ g

3) Draw a line on the scale to show the mass of each object.



4) Solve

Harley is weighing a toy car.



a) How much does Harley's car weigh?
Harley's Car _____ kg and _____ g

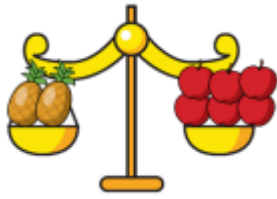
b) Lois says her car weighs 200g less than Harley's. How much does Lois' car weigh?
Lois's Car _____ kg and _____ g

c) Mollie says her car weighs 1kg more than Lois'. How much does Mollie's car weigh?
Mollie's Car _____ kg and _____ g

d) Fraser says his car weighs 1kg and 300g less than Mollie's. How much does Fraser's car weigh?
Fraser's Car _____ kg and _____ g

06.05.20 – To compare mass

1) Fill in the gaps



- a) _____ pineapples are equal to _____ apples.
- b) 1 pineapple is equal to _____ apples.

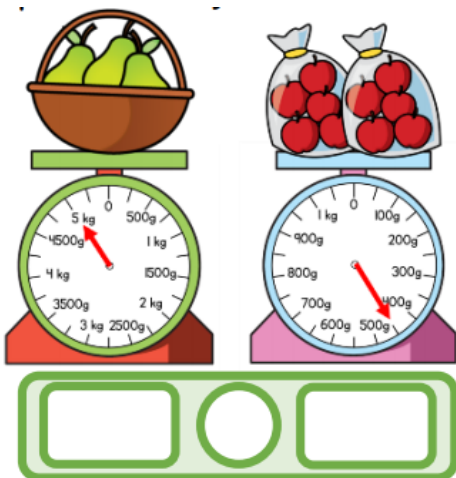
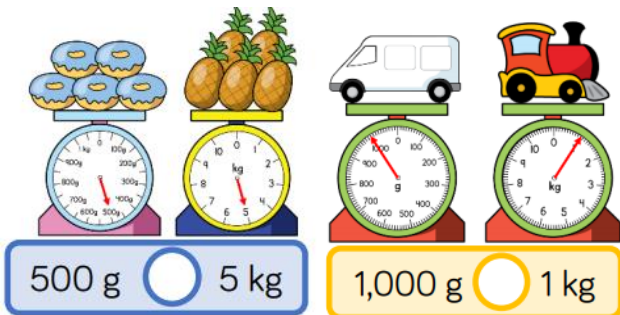
Use 'heavier' or 'lighter' to fill in the gaps

- 2 pineapples are _____ than 2 apples
- 4 apples are _____ than 2 pineapples
- 1 pineapple is _____ than 5 apples

Challenge:

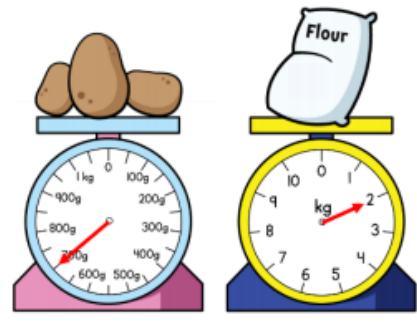
- 10 apples are _____ than 3 pineapples
- 8 apples are _____ than 3 pineapples
- 4 pineapples are _____ than 11 apples

2) Use <, > and = to compare the mass of each object



3) Who do you agree with?

Kai, Elena and Edward are weighing potatoes and flour.



a) Kai says the potatoes weigh more because the arrow is further than the arrow on the flour scale. I agree/disagree because _____

b) Elena says the flour weighs less because 2 is less than 700.

I agree/disagree because _____

c) Edward says the flour weighs more because 2kg is more than 700g.

I agree/disagree because _____

4) Match each mass to the correct child

20 kg and 600 g

20 kg

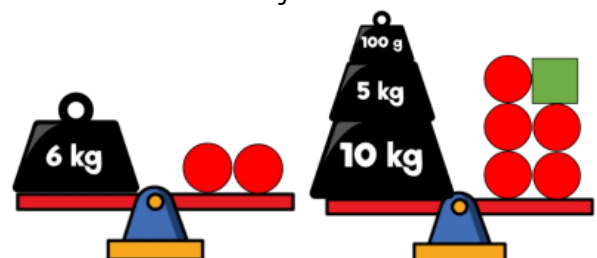
18 kg and 500 g

Child	Mass
Amora: My mass weighs more than 18kg but less than 20kg	
Jack: My mass is more than Amora's mass	
Harriet: My mass weighs more than half of 40kg	

5) Challenge

Hint: work out the mass of one circle first

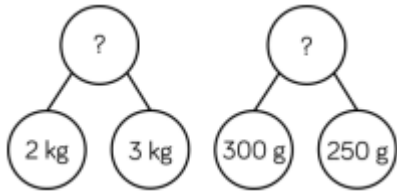
Work out the value of



07.05.20 – To compare mass

1) Use part-whole models to solve

Matilda uses a part-whole model to solve:
2kg and 300g + 3kg and 250g



She partitions each mass into kg and g and calculates them separately.

a) What is Matilda's total mass?

Use Matilda's method to solve:

- b) 3kg and 450g + 4kg and 200g
- c) 4kg and 105g + 2kg and 300g

Think carefully about your part-whole model

- d) 4kg and 400g – 2kg and 100g
- e) 8kg and 600g – 1kg and 550g

Challenge



The jar of cookies has a mass of 800g. The empty jar has a mass of 350g. How much do the cookies weigh?

2) Use a method of your choice to solve

- a) 7kg - _____ = 5kg and 500g
- b) 3kg and 200g + _____ = 4kg and 500g

Challenge

- c) 4kg + _____ - 1.5kg = 3kg

3) Solve

Callum buys two peaches and three pears.



One peach weighs 75g



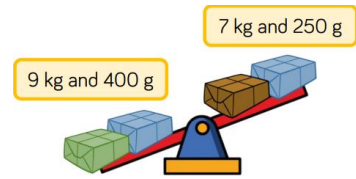
Three pears weigh the same as two peaches.

How much does one pear weigh?

4) Solve

The green parcel weighs 5kg.

Can you work out what the blue and brown parcel weigh?



Blue parcel = _____ kg and _____ g

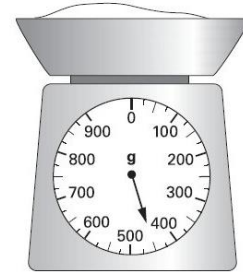
Brown parcel = _____ kg and _____ g

How much would the green and brown parcel weigh together?

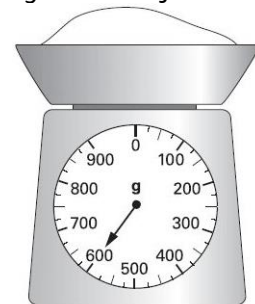
5) Solve

Robbie is making a cake

He puts flour on the scales

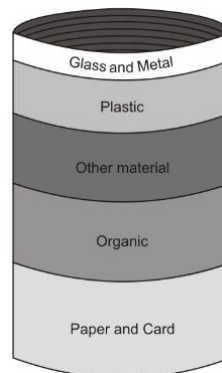


He then adds sugar to the flour



How much sugar did he add?

Challenge:



This diagram shows how much waste a family throws away one year.

The family throws away 35kg of **plastic** in a year. Use the diagram to **estimate** the weight of **glass and metal** they throw away.

You are all doing so well. Keep up the hard work and enjoy the bank holiday weekend!