

Year 3 Maths Lesson

20.1.21

Home Learning Powerpoint – If you have any problems, just send us a Dojo message.

On this maths powerpoint:

- Answers from yesterday's work
- 1 warm up activity
- 1 maths lesson



Remember – you can get Dojos for posting pictures of your work on Class Dojo!



Warm Up Activity 1.



Answers on the
next slide. No
peeking!

Convert these kg in g and vice versa.

Remember $1000\text{g} = 1\text{ kg}$

You did this yesterday so you should be getting good at them!

Easier

- | | |
|-----------|--------------|
| 1. 2000g | 1. 3kg |
| 2. 3000g | 2. 5kg |
| 3. 5000g | 3. 7kg |
| 4. 6500g | 4. 9kg |
| 5. 7500g | 5. 1kg 500g |
| 6. 8500g | 6. 2kg 600g |
| 7. 9200g | 7. 4kg 900g |
| 8. 1300g | 8. 5kg 850g |
| 9. 2400g | 9. 3kg 700g |
| 10. 5600g | 10. 2kg 650g |

Harder

- | | |
|-----------|--------------|
| 1. 2500g | 1. 5kg |
| 2. 3400g | 2. 3kg 250g |
| 3. 7600g | 3. 6kg 880g |
| 4. 8900g | 4. 7kg 90g |
| 5. 500g | 5. 3kg 80g |
| 6. 250g | 6. 0.5kg |
| 7. 750g | 7. 0.8kg |
| 8. 9900g | 8. 0.9kg |
| 9. 7650g | 9. 1kg 240g |
| 10. 2250g | 10. 4kg 770g |



Warm Up Activity 1.



Convert these kg in g and vice versa.

Remember $1000\text{g} = 1\text{ kg}$

You did this yesterday so you should be getting good at them!

Easier

- | | |
|--------------|-----------|
| 1. 2kg | 1. 3000g |
| 2. 3kg | 2. 5000g |
| 3. 5kg | 3. 7000g |
| 4. 6kg 500g | 4. 900g |
| 5. 7kg 500g | 5. 1500g |
| 6. 8kg 500g | 6. 2600g |
| 7. 9kg 200g | 7. 4900g |
| 8. 1 kg 300g | 8. 5850g |
| 9. 2kg 400g | 9. 3700g |
| 10. 5kg 600g | 10. 2650g |

Harder

- | | |
|---|-----------|
| 1. 2kg 500g | 1. 5000g |
| 2. 3kg 400g | 2. 3250g |
| 3. 7kg 600g | 3. 6880g |
| 4. 8kg 900g | 4. 7090g |
| 5. $0.5\text{kg } \frac{1}{2}\text{ kg}$ | 5. 3080g |
| 6. $0.25\text{kg } \frac{1}{4}\text{ kg}$ | 6. 500g |
| 7. $0.75\text{kg } \frac{3}{4}\text{ kg}$ | 7. 800kg |
| 8. 9kg 900g | 8. 900kg |
| 9. 7kg 650g | 9. 1240g |
| 10. 2kg 250g | 10. 4770g |

20.01.21

Write today's
date and
objective in your
home learning
book.

Can I add and subtract units of weight?

Remember to be
proud of your work
and use your best
presentation

Yesterday you were reading scales with different intervals. The answers to yesterday's work are on the next few slides. Take a look at how you got on. If you got some wrong, see if you can spot where you went wrong.

Compare mass

1 Write **heavier** or **lighter** to complete the sentences.

a)



The apple is heavier than the orange.

The orange is lighter than the apple.

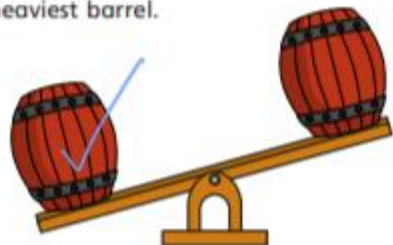
b)



The ball is lighter than the bat.

The bat is heavier than the ball.

2 a) Tick the heaviest barrel.



b) Tick the lightest crate.



c) What can you say about the mass of the two crates?



3 The mass of a tin and a book is shown.



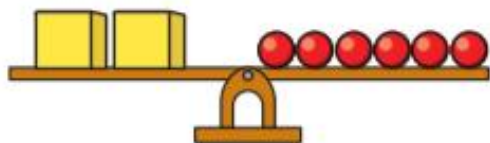
Scott puts the tin and book on the scales.

One side of the scales goes down.

Draw the book and the tin on the scales to show this.



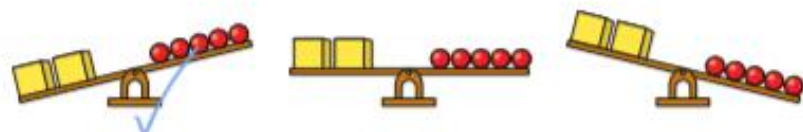
- 4 The scales show that 2 cubes balance 6 spheres.



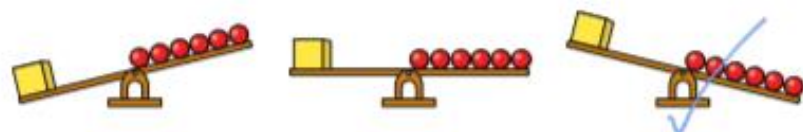
Tommy is removing shapes to see what happens to the scales.

Tick the correct image in each part.

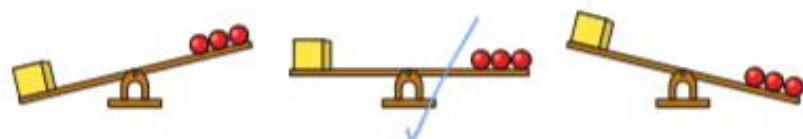
a)



b)



c)



Talk about your answers with a partner.



- 5 Circle the greater mass in each pair.



- 6 Three weights are shown on the scales.



Write the weights in order, starting with the lightest.

55 kg 900 g, 60 kg 200 g, 60 kg 350 g

7



Is a jar or a mug heavier?

mug

How do you know?

Talk about it with a partner.



Today you are going to add and subtract weights.
Let's take a look at one together first.



Teddy is measuring the weight of some fruit.



a) What is the weight of the apple?

100 g



b) What is the weight of the banana?

200 g



- c) Teddy puts both pieces of fruit on the same scale.
What is the total weight of the apple and the banana?

$$100 + 200 = 300 \text{ g}$$

300 g

1 pineapple weighs the same as 10 strawberries and 5 bananas.



50 g



1 kg



100 g

True



1 pineapple = 1 kg

1 pineapple = 1,000 g



1 strawberry = 50 g

10 strawberries = 500 g

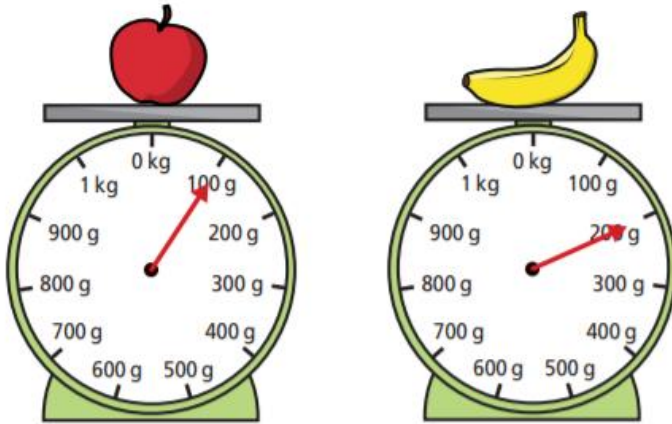


1 banana = 100 g

5 bananas = 500 g

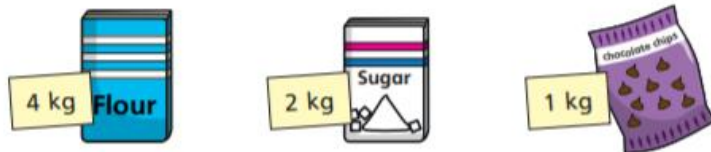
$500\text{ g} + 500\text{ g} = 1,000\text{g} = 1\text{ kg}$

- 1 Teddy is measuring the weight of some fruit.



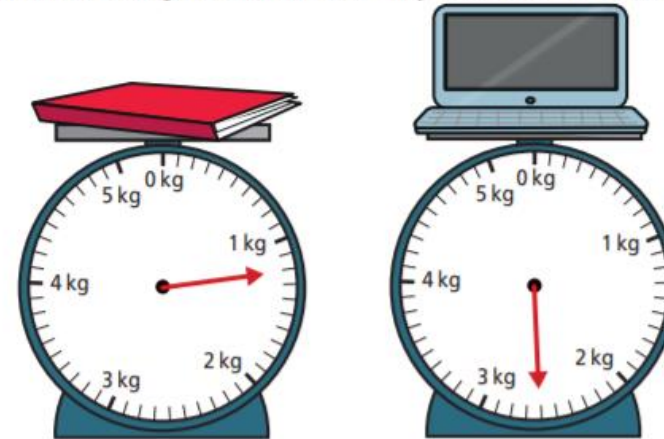
- What is the weight of the apple?
- What is the weight of the banana?
- Teddy puts both pieces of fruit on the same scale.
What is the total weight of the apple and the banana?

- 2 Alex is measuring the weight of some ingredients.



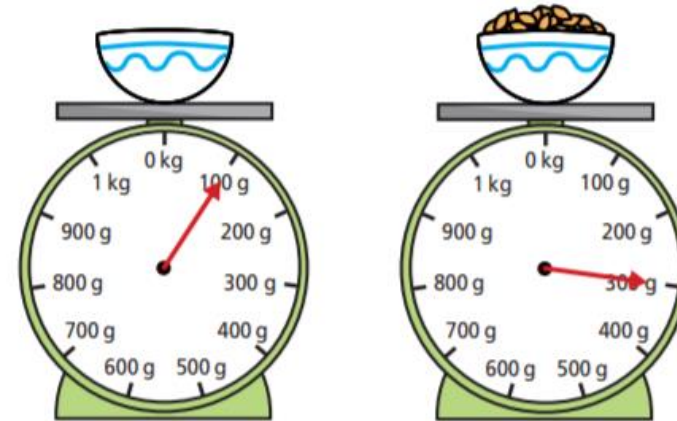
What is the total weight of the ingredients?

- 3 Ron is measuring the mass of some objects in the classroom.



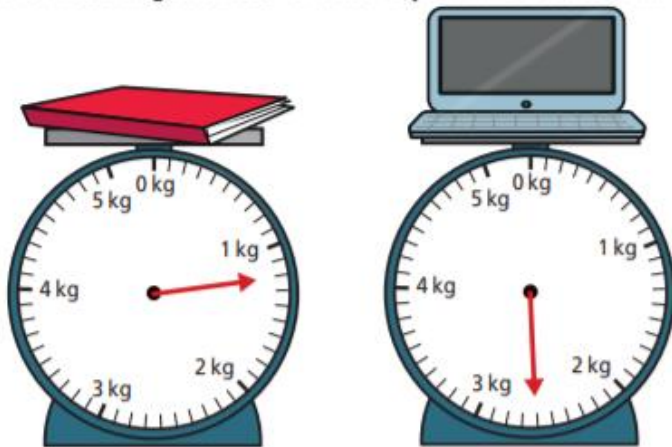
Ron puts both objects on the same scale.
What is the total mass of the objects?

- 4 Aisha is weighing out some cereal.
First she puts the bowl on the scales. Then she pours out some cereal.



What is the weight of the cereal in the bowl?

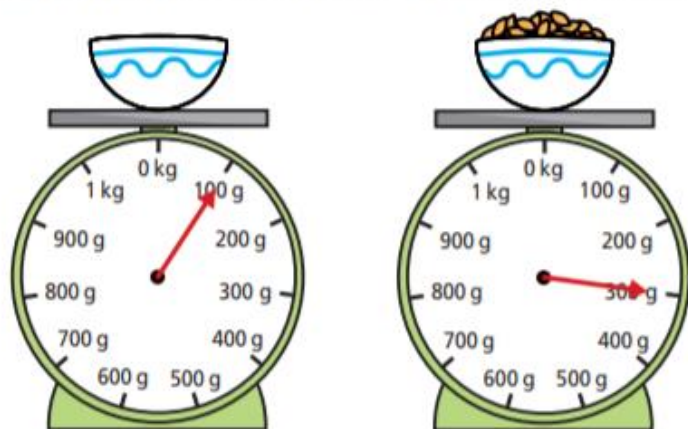
- 3 Ron is measuring the mass of some objects in the classroom.



Ron puts both objects on the same scale.
What is the total mass of the objects?

- 4 Aisha is weighing out some cereal.

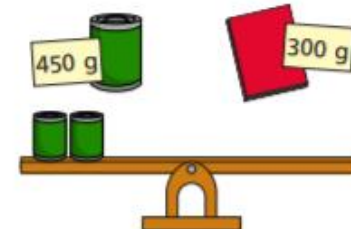
First she puts the bowl on the scales. Then she pours out some cereal.



What is the weight of the cereal in the bowl?

- 5 A dog weighs 8 kg and 200 g when it is 8 weeks old.
The same dog weighs 12 kg and 900 g when it is 12 weeks old.
What is the difference in the dog's weight between 8 and 12 weeks?

- 6 The mass of a tin is 450 g.
The mass of a book is 300 g.
Draw books on the scales to balance the tins.



- 7 Complete the number sentences.

a) $1 \text{ kg } 250 \text{ g} + 5 \text{ kg } 300 \text{ g} = \boxed{} \text{ kg } \boxed{} \text{ g}$

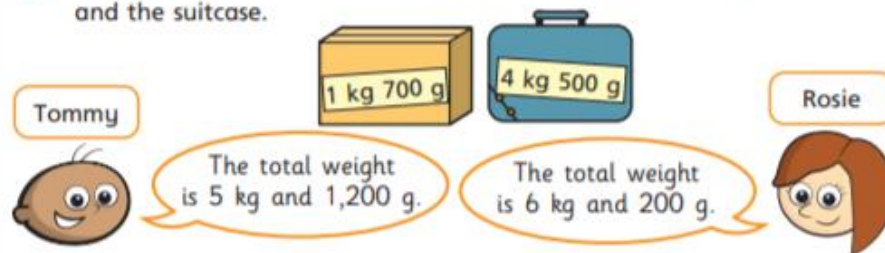
b) $3 \text{ kg } 450 \text{ g} + 8 \text{ kg } 120 \text{ g} = \boxed{} \text{ kg } \boxed{} \text{ g}$

c) $15 \text{ kg } 960 \text{ g} - 11 \text{ kg } 270 \text{ g} = \boxed{} \text{ kg } \boxed{} \text{ g}$

d) $36 \text{ kg } 317 \text{ g} - 21 \text{ kg } 199 \text{ g} = \boxed{} \text{ kg } \boxed{} \text{ g}$

e) $1 \text{ kg} - \boxed{} \text{ g} = 200 \text{ g}$

- 8 Tommy and Rosie are working out the total weight of the box and the suitcase.



Who is correct? Talk about it with a partner.

Challenges

- 1) The zookeeper is trying to work out how much animal food they have left in each bag.

How much food is left?



495g was used to feed the lemurs yesterday.

mass: _____.



1kg 860g was used to feed the lemurs yesterday.

mass: _____.



930g was used to feed the otters yesterday.

mass: _____.



- 2) The zookeeper put all the leftover food into a wheelbarrow.
What was the total mass of food in the wheelbarrow? _____.