Monday 8th June

Lesson: 1

Mass (sometimes called weight) is how heavy or light something is. We measure it in grams and kilograms.

Success criteria:

- I can compare mass using terms like, "heavier", "heaviest", "lighter" and "lightest"
- ✓ I can explain my reasoning

Starter:

Pick up two objects at home.

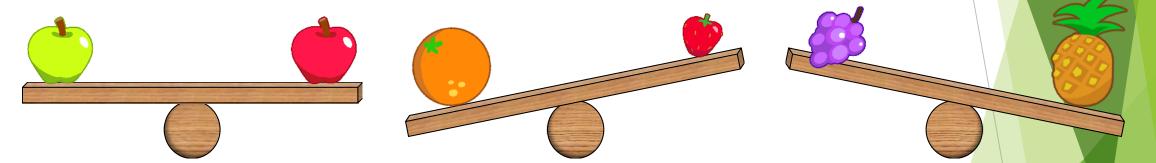
Which one feels heavier? How do you know?



Starter:

Look at the balances.

Which is the odd one out?



Explain your answer.

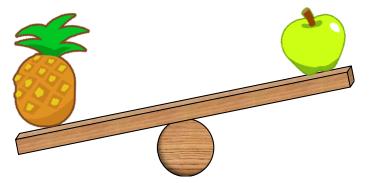
Starter:

Which is the odd one out?

The left-hand image is the odd one out as the two apples weigh the same, whereas the other seesaws are unbalanced. (The orange is heavier than the strawberry...)

Talking Time:

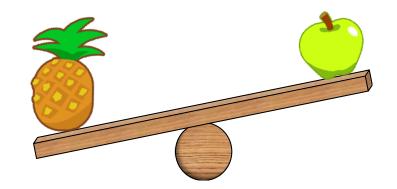
Look at the picture, can you complete the sentence below with the word "heavier" or "lighter".



The pineapple is

than the apple.

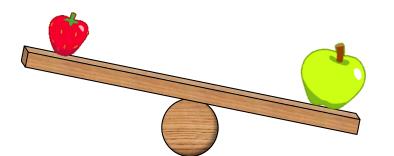
Talking Time:



The pineapple is <u>heavier</u> than the apple.

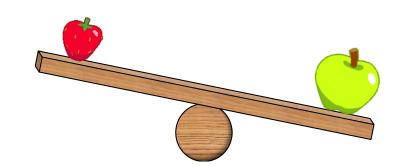
Talking Time:

Look at the picture, can you complete the sentence below with the word "heavier" or "lighter".



The apple is _____ than the strawberry.

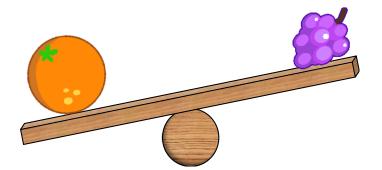
Talking Time:



The apple is <u>heavier</u> than the strawberry.

Talking Time:

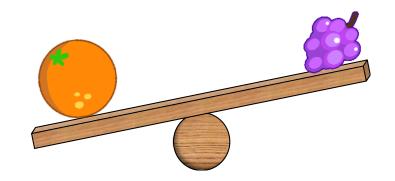
Look at the picture, can you complete the sentence below with the word "heavier" or "lighter".





than the orange.

Talking Time:

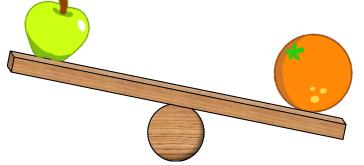


The grapes are <u>lighter</u> than the orange.

Activity 1:

You could copy the picture in to your book.

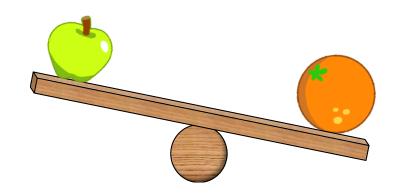
Copy and complete the sentence below with the word "heavier" or "lighter".



The apple is _____ than the orange.

The orange is _____ than the apple.

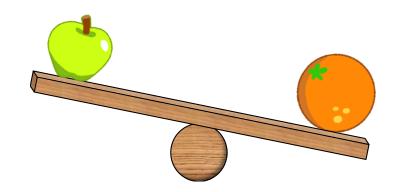
Activity 1:



The apple is <u>lighter</u> than the orange.

The orange is _____ than the apple.

Activity 1:

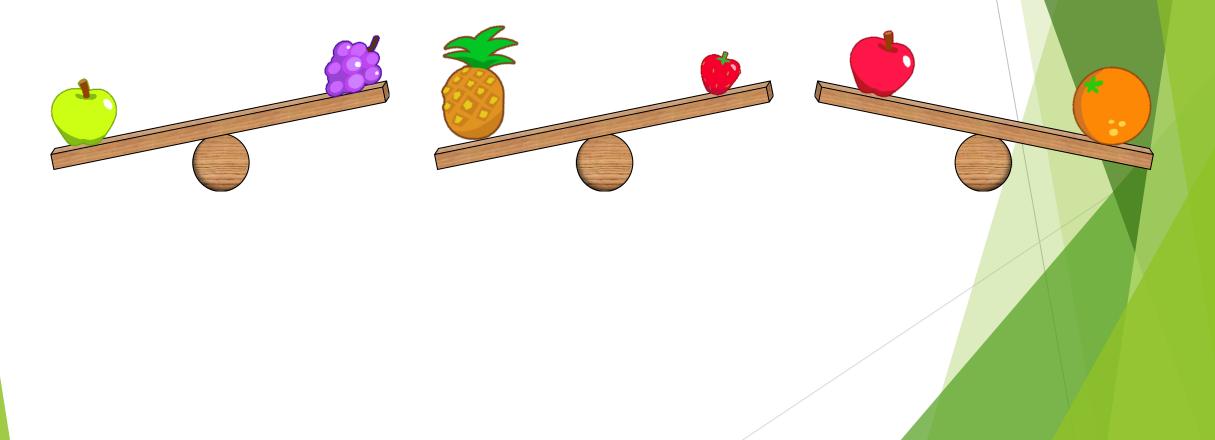


The apple is <u>lighter</u> than the orange.

The orange is <u>heavier</u> than the apple.

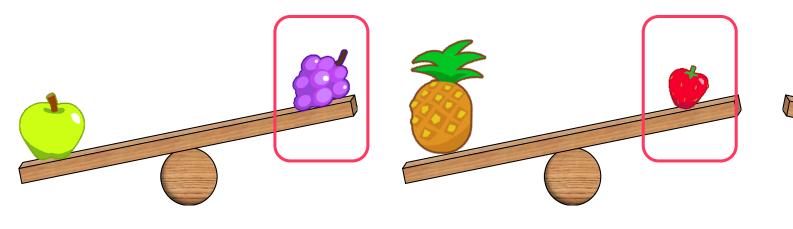
Talking Time:

Point to the lighter object on each of the scales below. Explain how you know.



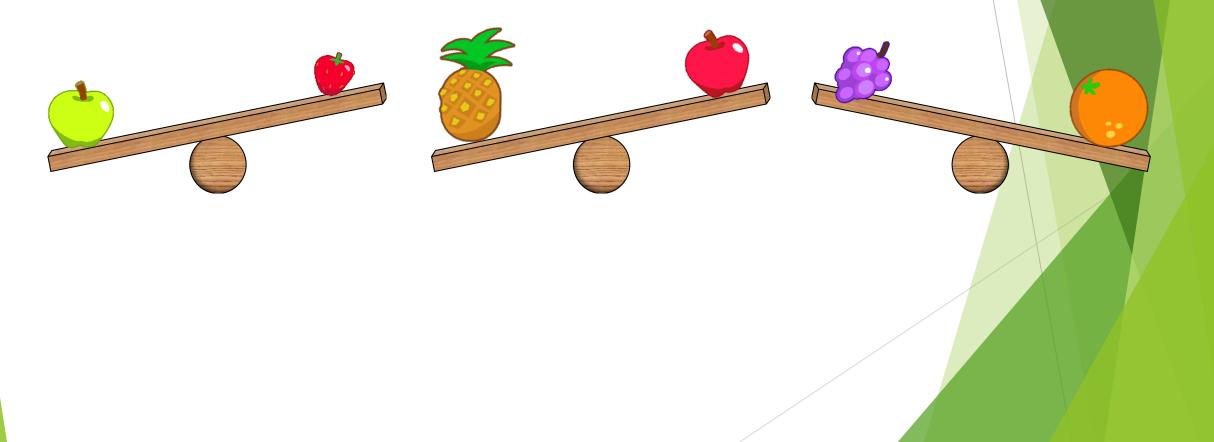
Talking Time:

Circle the lighter object on each of the scales below.



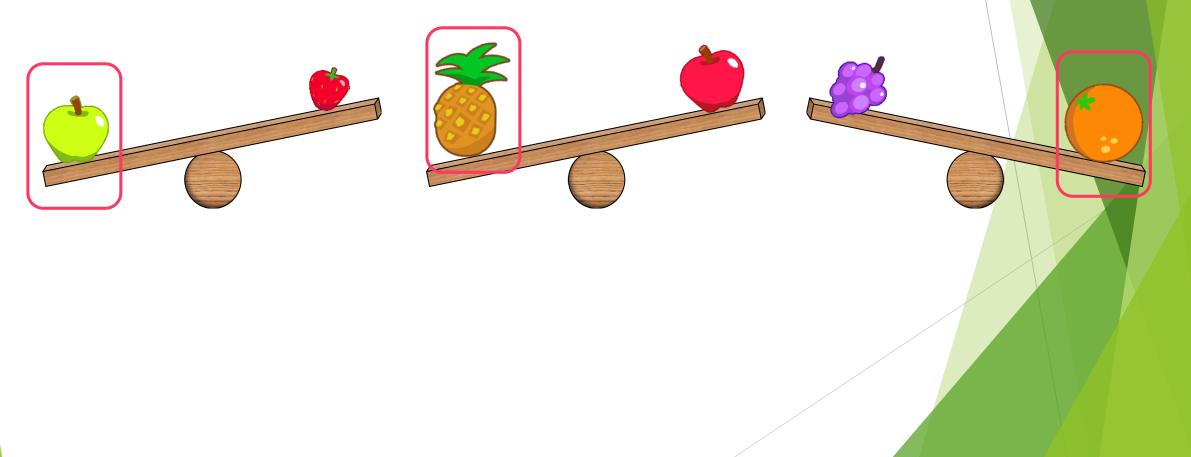
Activity 2:

Point to the heavier object on each of the scales below. How do you know?

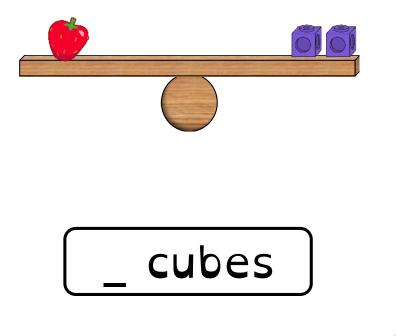


Activity 2:

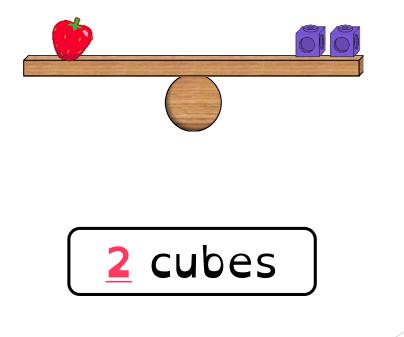
Circle the **heavier** object on each of the scales below.



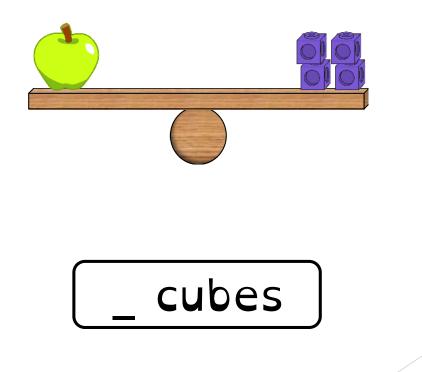
This time, the mass of objects id being compare with non-standard units of measurement. Here it is cubes.



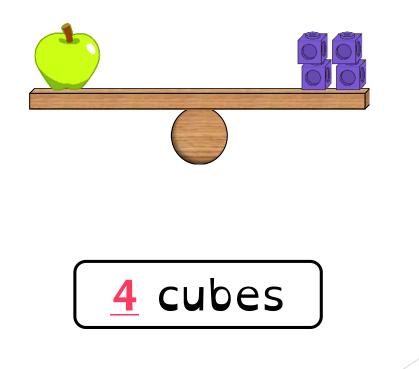
This time, the mass of objects id being compare with non-standard units of measurement. Here it is cubes.



Talking Time:

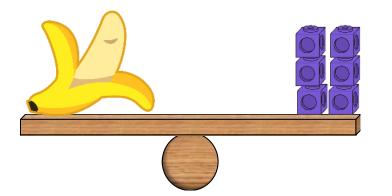


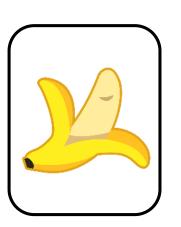
Talking Time:

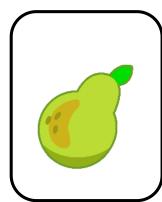


Activity 3:

Point to the card that represents the heavier piece of fruit. How do you know?

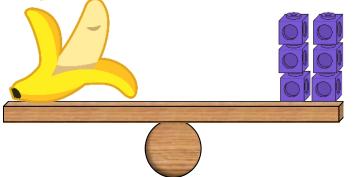


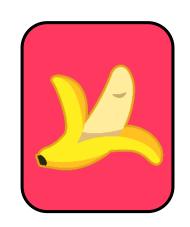


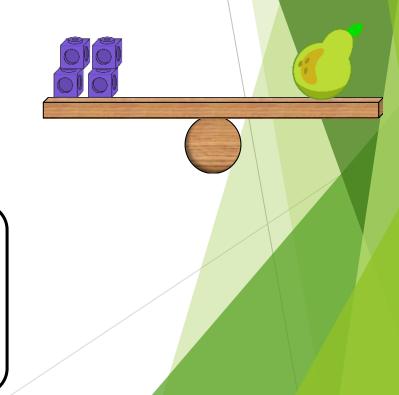


Activity 3:

Answer: It's the banana, because its mass is equal to 6 cubes and the paer's mass is equal to 4 cubes.

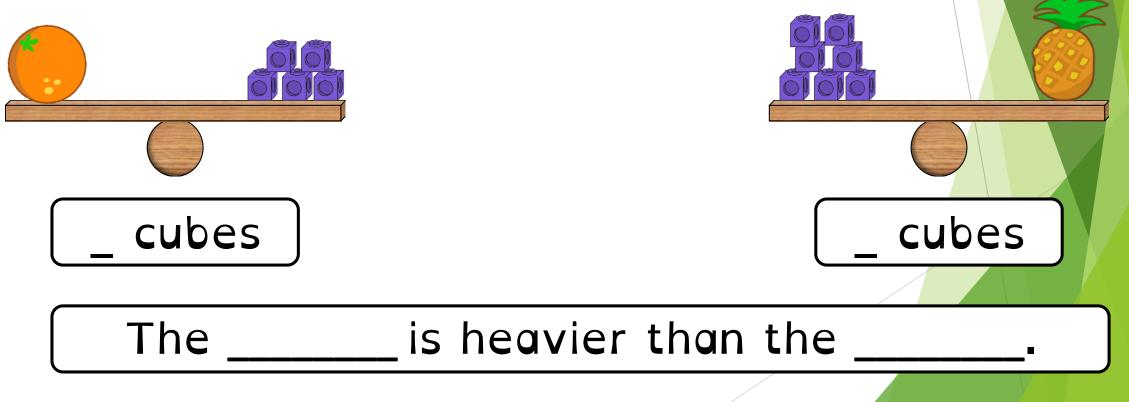






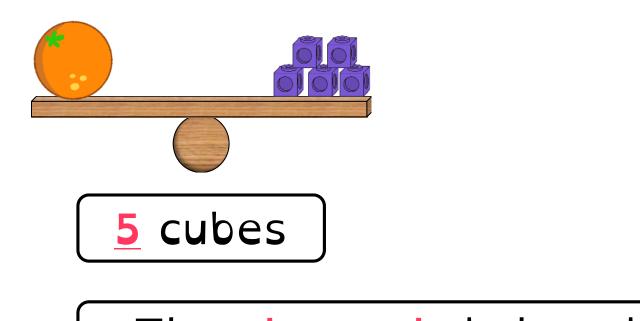
Activity 4:

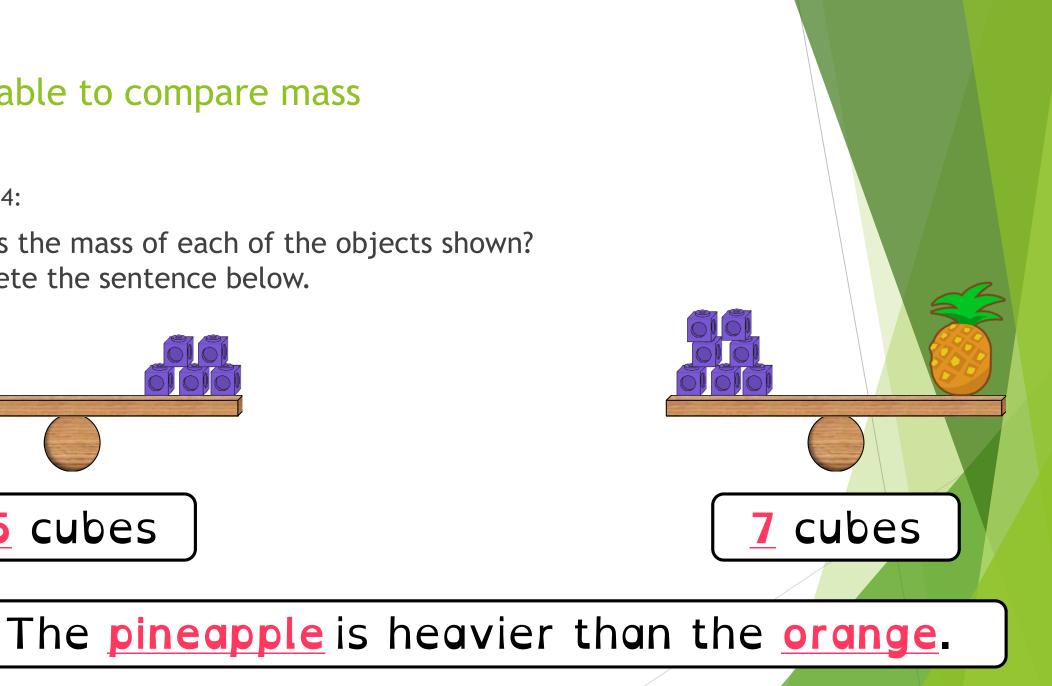
What is the mass of each of the objects shown? Complete the sentence below. (Say it or write it).



Activity 4:

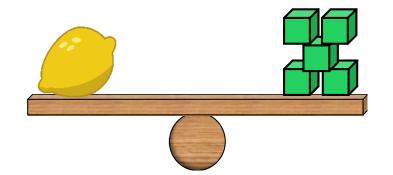
What is the mass of each of the objects shown? Complete the sentence below.





Activity 5:

Eve balances a lemon with some blocks.

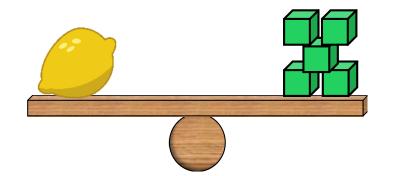


Complete the sentence:

One lemon has the same mass as _ blocks.

Activity 5:

Eve balances a lemon with some blocks.

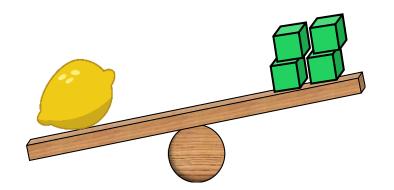


Complete the sentence:

One lemon has the same mass as 5 blocks.

Activity 6:

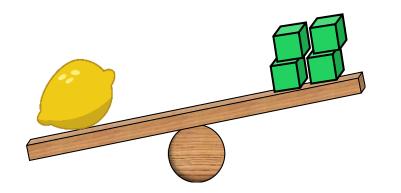
The scales are no longer balanced.



Explain why.

Activity 6:

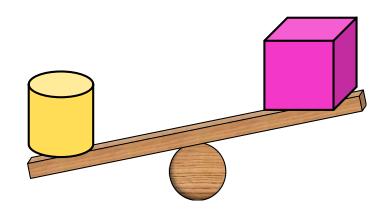
The scales are no longer balanced.



They are no longer balanced as the lemon weighs five blocks, one block has been removed, so a block needs to be added back for the scales to balance again.

Activity 7:

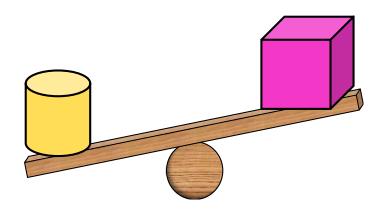
James says, "The cube is heavier than the cylinder because it is bigger."



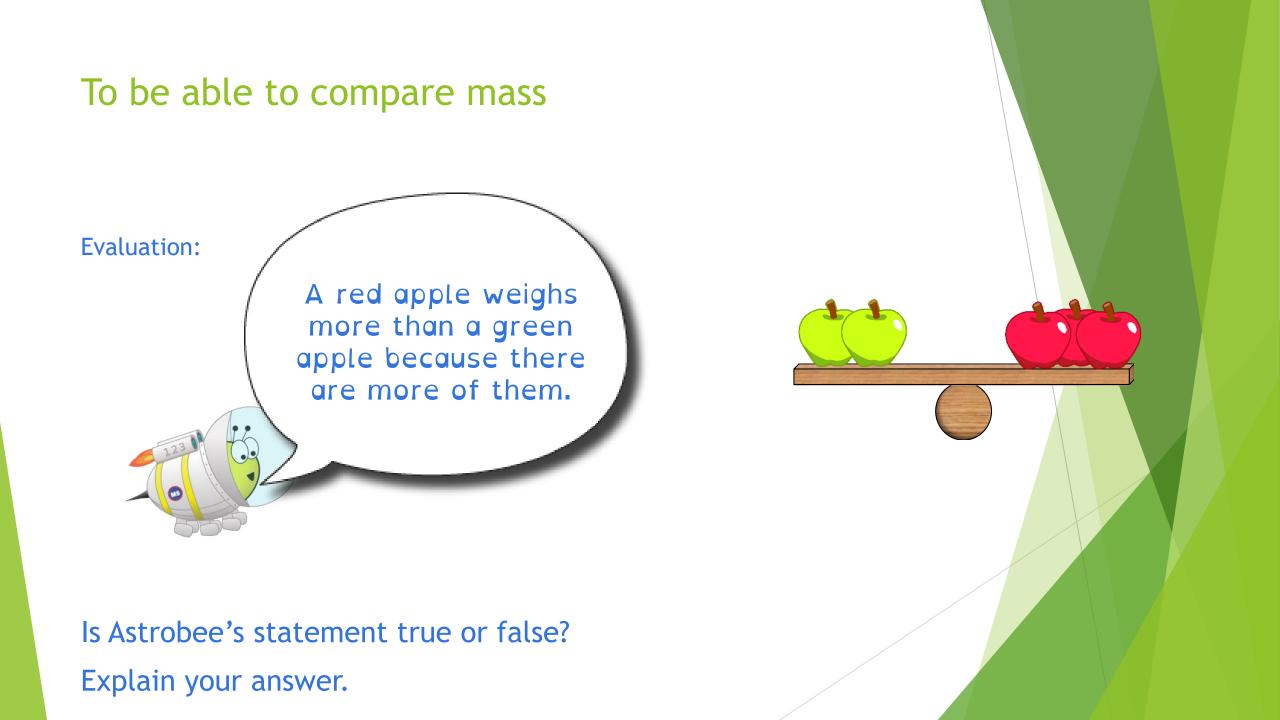
Is James's statement true or false? Explain your answer.

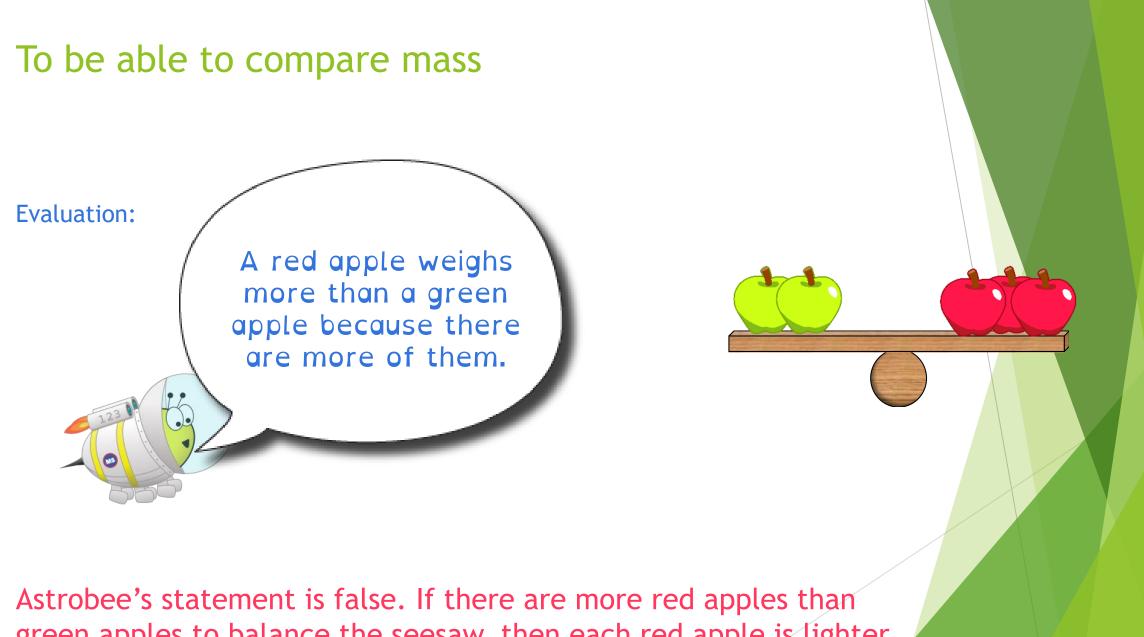
Activity 7:

James says, "The cube is heavier than the cylinder because it is bigger."



James' statement is false. The cylinder is lower than the cube, which means it is heavier than the cube. (Bigger objects can be lighter than smaller ones!)





green apples to balance the seesaw, then each red apple is lighter than a green apple.

How did you get on?

Success criteria:

- I can compare mass using terms like, "heavier", "heaviest", "lighter" and "lightest"
- I can explain my reasoning to compare mass using terms like, "heavier", "heaviest", "lighter" and "lightest"

Year 2 - Summer Block 4 - Mass, Capacity and Temperature - Lesson 1 - To be able to compare mass