

# To be able to explore weight and mass

Success criteria:

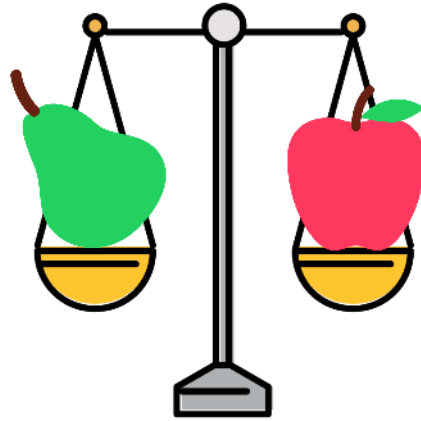
- ✓ I can use words such as “heavier than”, “lighter than” and “equal to” when looking at objects and when using scales to compare the weight of objects
- ✓ I can explain my reasons for saying “heavier than”, “lighter than” and “equal to” when looking at objects and when using scales to compare the weight of objects

# To be able to explore weight and mass

Mass is another word for weight.

Starter:

Which is the odd one out?

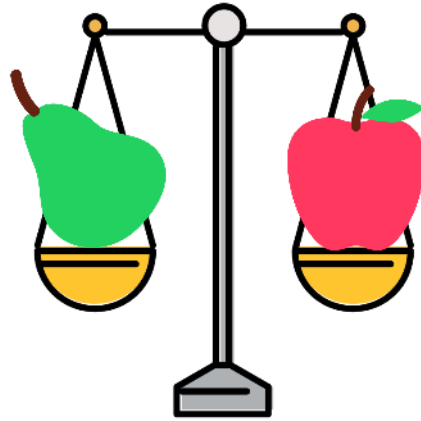


Explain your answer.

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Starter:

Which is the odd one out?



The second set of scales is the odd one out because they are balanced.  
The other sets of scales each have one object heavier than the other.

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## Activity 1:

Choosing two objects, decide whether you think one object is heavier than or lighter than the other, or if you think they are equal in weight to each other.

Then, use a set of scales or your hands to check.

Use the following sentence stems to write your answers in your book:

\_\_\_\_ is heavier than \_\_\_\_.

\_\_\_\_ is lighter than \_\_\_\_.



# To be able to explore weight and mass

Talking Time:

Look at the picture, complete the sentence below by choosing the correct phrase:

The  
green  
toy

is heavier than

is lighter than

is equal to

the  
silver  
toy.

You could try this with  
some things from  
around your house.  
Just make sure you  
tidy away!



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Talking Time:

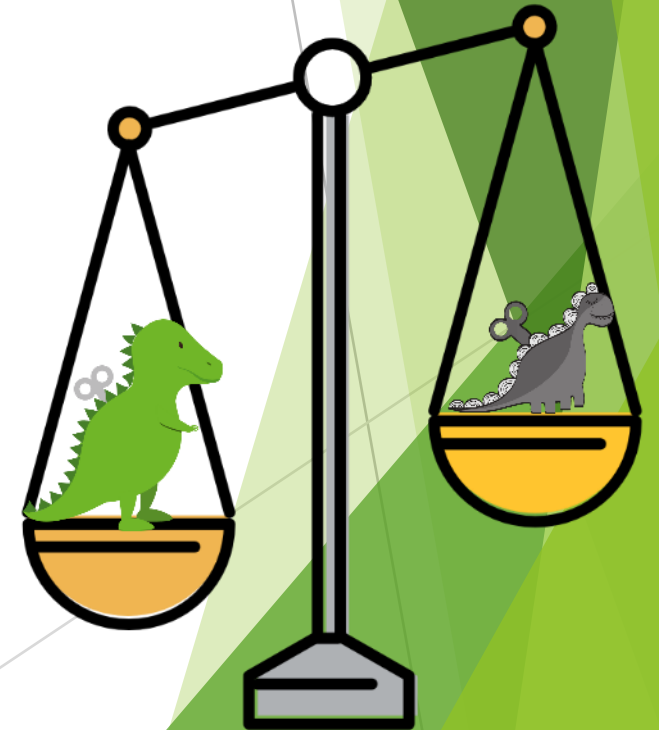
The  
green  
toy

is heavier than

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Talking Time:

Look at the picture, complete the sentence below by choosing the correct phrase:

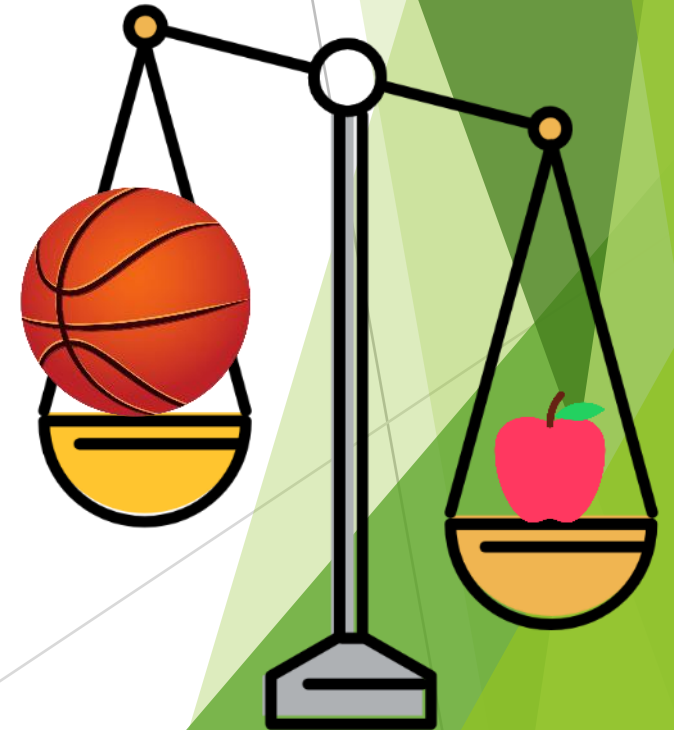
The  
orange  
ball

is heavier than

is lighter than

is equal to

the  
apple.



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What is your sentence going to say?

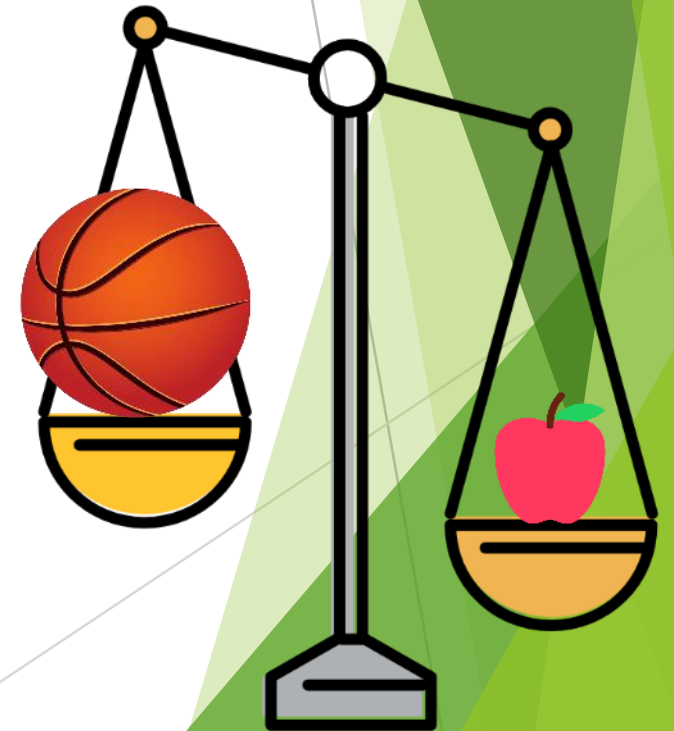
The  
orange  
ball

is heavier than

is lighter than

is equal to

the  
apple.





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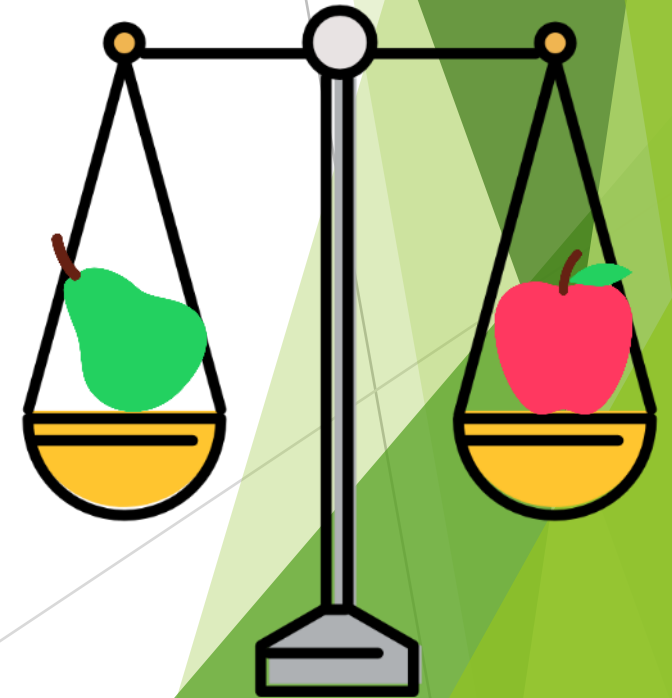
The  
apple

is heavier than

is lighter than

is equal to

the  
pear.



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The  
apple

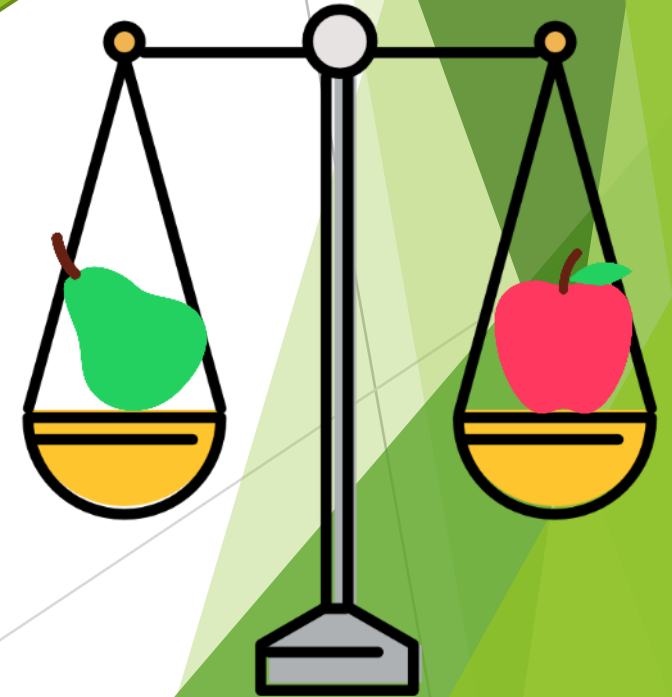
is heavier than

is lighter than

is equal to

the  
pear.

Well done! How  
did you know  
that is the  
answer? Tell  
your grown up.



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## Activity 2:

Complete the sentences use the pictures to help you.

\_\_\_\_\_ is equal to \_\_\_\_\_

\_\_\_\_\_ is heavier than \_\_\_\_\_

\_\_\_\_\_ is lighter than \_\_\_\_\_



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The ball is equal to the apple.

The bear is heavier than the pear.

The apple is lighter than the toy.



## To be able to explore weight and mass

Find 5 small toys

Place the toys in order from lightest to heaviest.

Can you find pairs (or groups) of objects that weigh the same?



Tell your grown up!



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## Activity 4:

Some friends are guessing whether a beach ball weighs more than, less than or is equal to a pineapple.

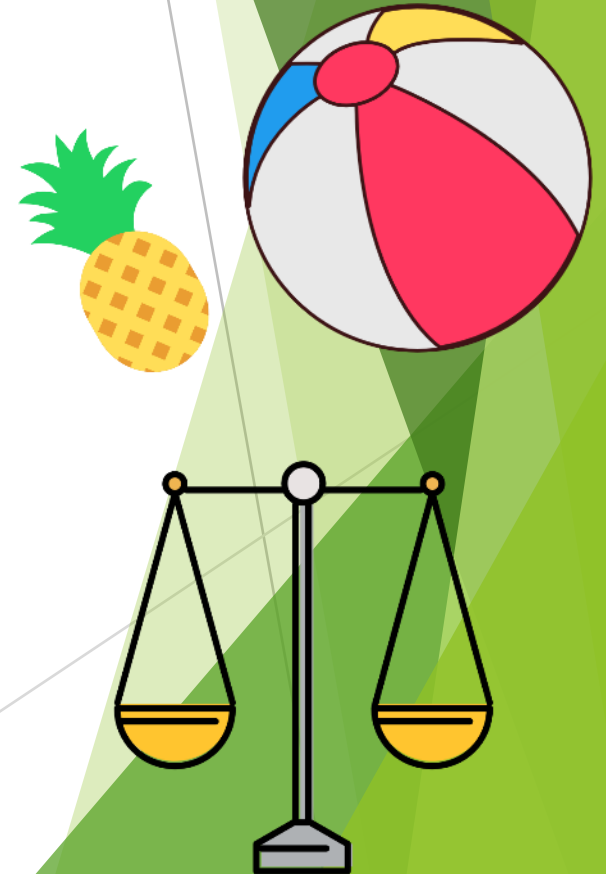
Eve says, “The beach ball is heavier than the pineapple, because it is bigger.”

Yasmin says, “The pineapple’s pan will go down, because it is heavier.”

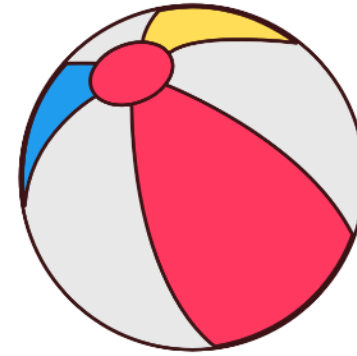
James says, “The beach ball’s pan will go up, because it is heavier.”

Who do you agree with?

Explain your answer to your grown up.



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## Activity 4:

Some friends are guessing whether a beach ball weighs more than, less than or is equal to a pineapple.

Eve says, “The beach ball is heavier than the pineapple, because it is bigger.”

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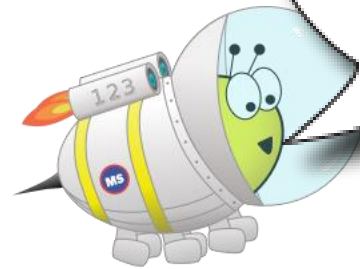
James says, “The beach ball’s pan will go up, because it is heavier.”

I agree with Yasmin, because the heavier object’s pan will go down. Bigger objects are not always heavier, Eve!



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Evaluation:



I am thinking of an object that is heavier than a ruler, but lighter than a text book.

Well done! All finished for today.

Can you guess what Astrobee might have seen? Explain your answer.  
Ask your grown up to listen.