

To be able to explore weight and mass

Starter:

Which one does not belong?



Explain your answer.

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Activity 1:

Choosing two objects each time, 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 to check.

Use the following sentence stems:

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

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



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Activity 2:

Complete the sentences below based on the images provided.

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

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

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



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Activity 3:

Collect various objects. Place the objects in order from lightest to heaviest.

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

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

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

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



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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.

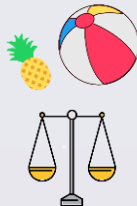
Eve says, "The beach ball is heavier than the pineapple, because it is bigger."

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.



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Evaluation:

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



Can you find objects that match Astrobee's statement?

Explain your answer.