

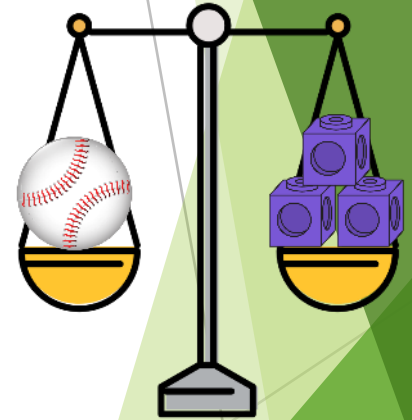
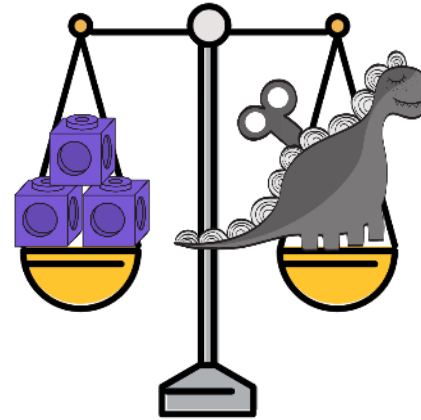
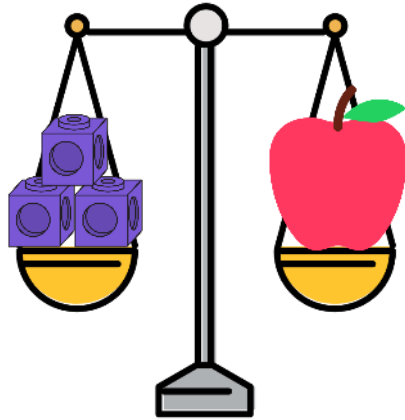
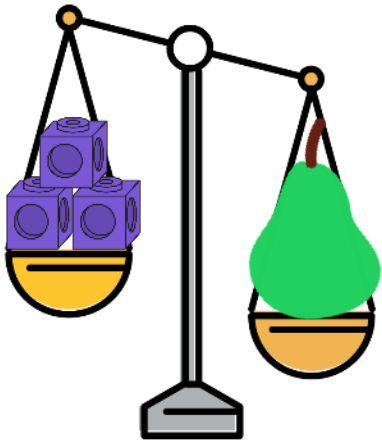
To be able to compare mass

Success criteria:

- ✓ I can compare objects using terms like “heavier than”, “lighter than” and “equal to” when using non-standard units, such as multilink cubes and wooden blocks, to measure the mass of an object.
- ✓ I can explain my reasoning when comparing objects using terms like “heavier than”, “lighter than” and “equal to”.
- ✓ I can use the signs which show:
- ✓ = equals > More than < less than

To be able to measure mass

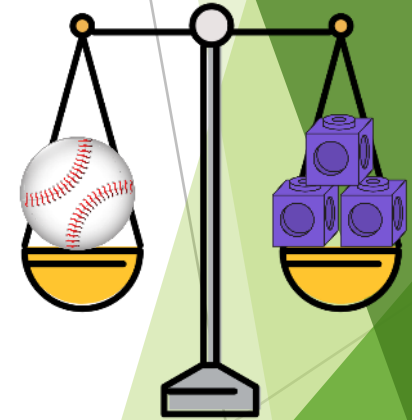
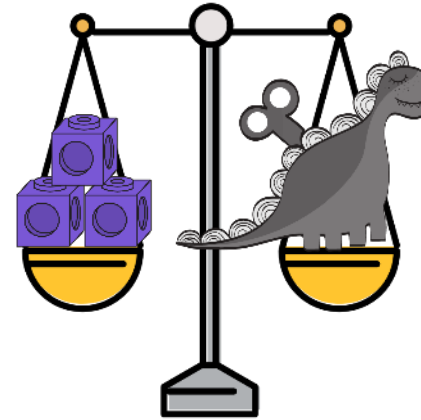
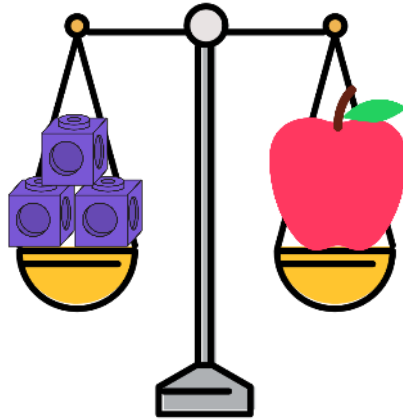
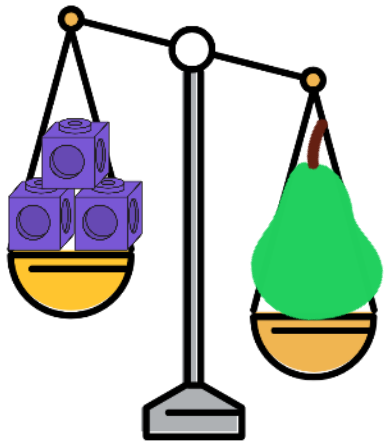
Which is the odd one out?



How do you know

To be able to measure mass

Which is the odd one out?



The pear is the odd one out because it is the only object that is heavier than three cubes. The apple, toy dinosaur and baseball each weigh the same as three cubes.

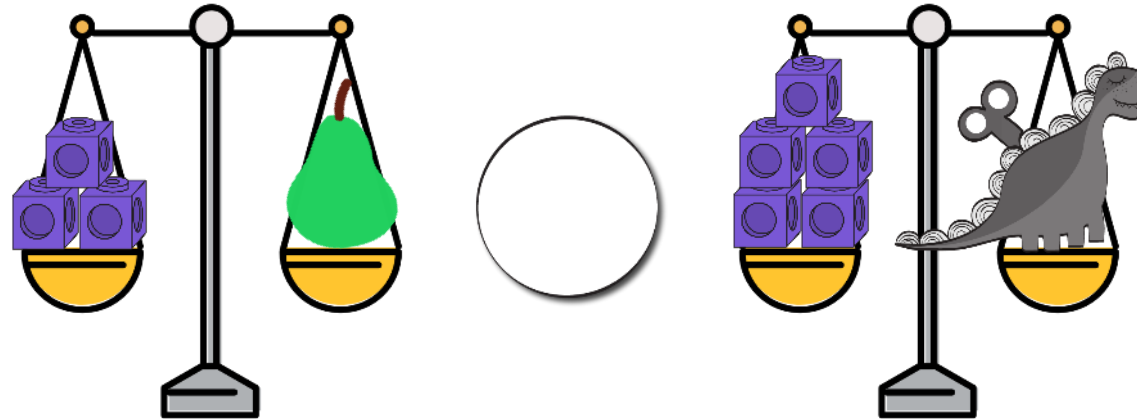
To be able to measure mass

✓ = equals

> More than

< less than

Which object is heavier? Which object is lighter? Use the signs above to show in the circle.



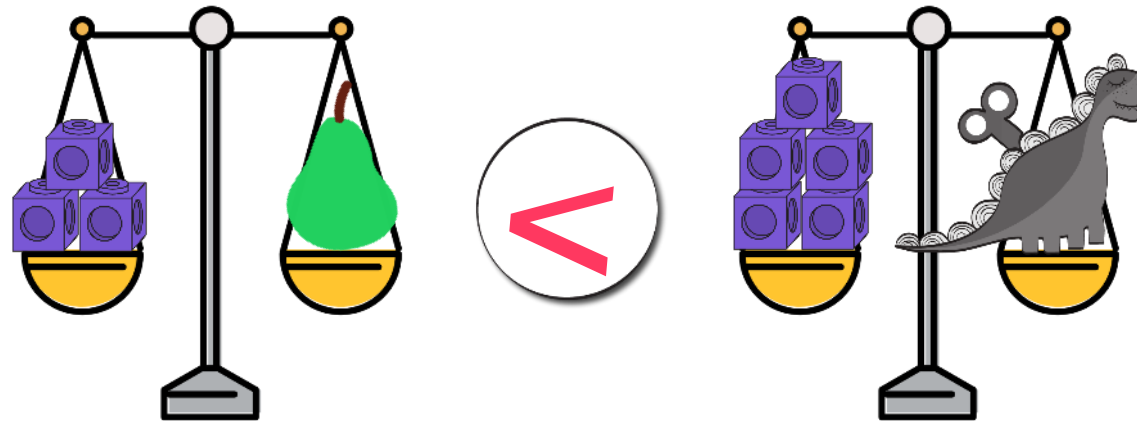
The pear is equal in weight to _ cubes.

The toy is equal in weight to _ cubes.

The pear is _____ the toy.

To be able to measure mass

Which object is heavier? Which object is lighter?

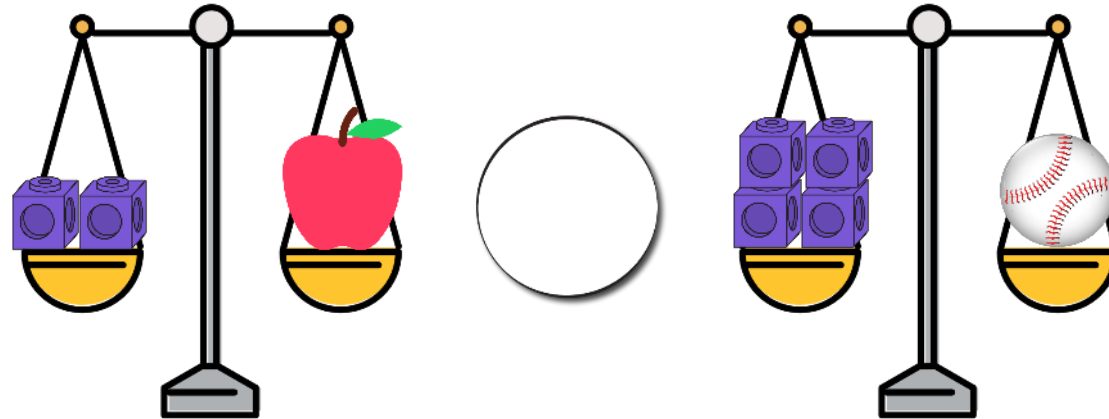


The pear is equal in weight to 3 cubes.
The toy is equal in weight to 5 cubes.
The pear is lighter than the toy.

To be able to measure mass

✓ = equals > More than < less than

Which object is heavier? Which object is lighter?



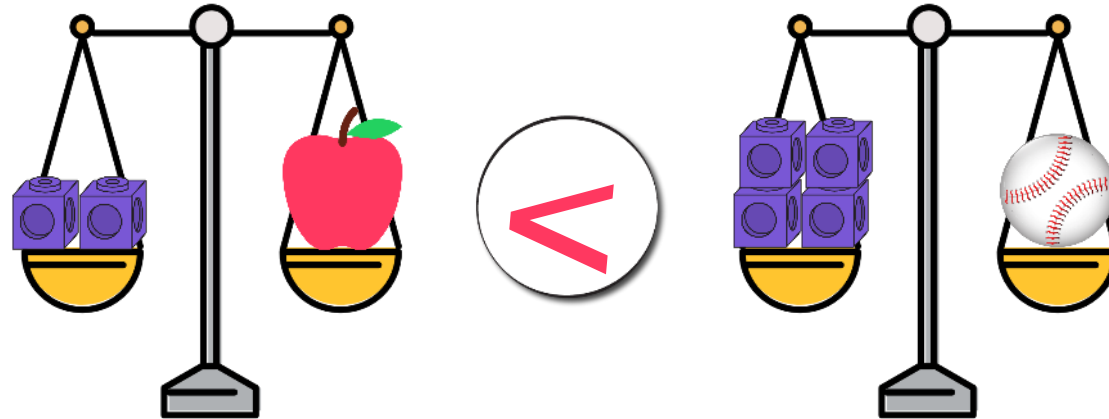
The apple is equal in weight to _ cubes.

The ball is equal in weight to _ cubes.

The ball is _____ the apple.

To be able to measure mass

Which object is heavier? Which object is lighter?

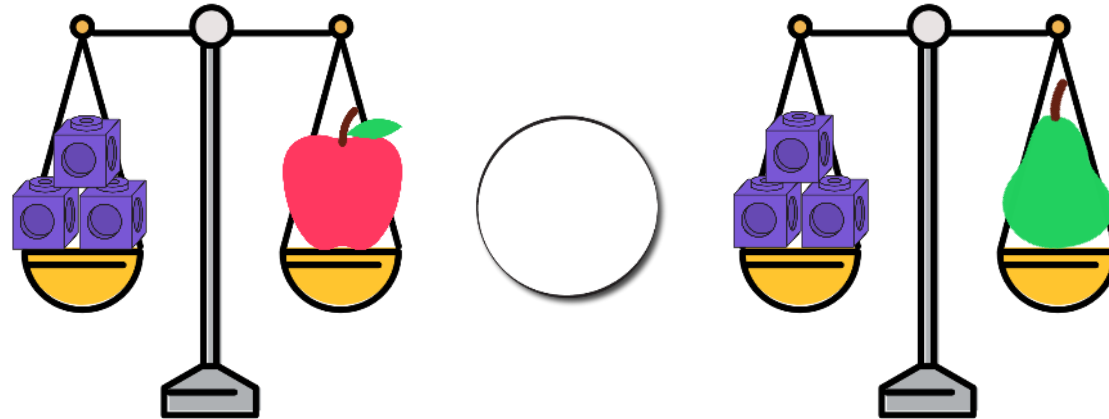


The apple is equal in weight to 2 cubes.
The ball is equal in weight to 4 cubes.
The ball is heavier than the apple.

To be able to measure mass

✓ = equals > More than < less than

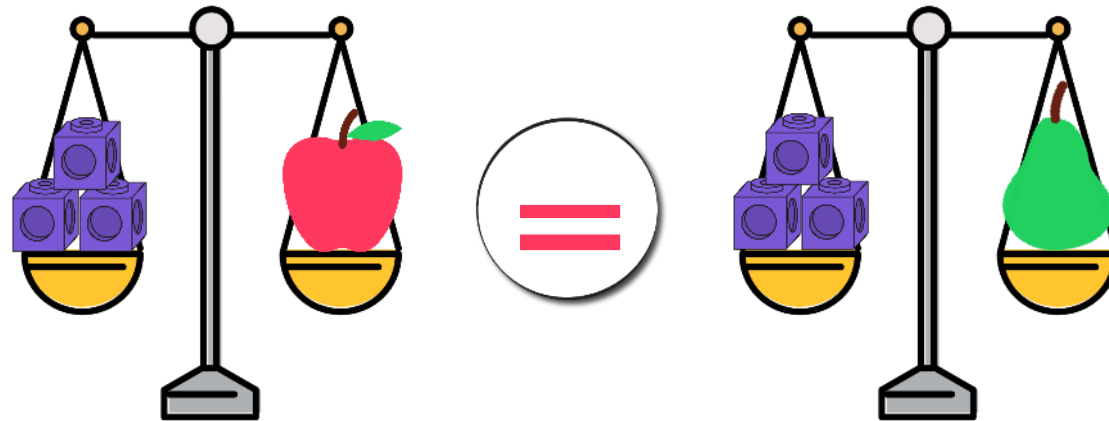
Which object is heavier? Which object is lighter?



The apple is equal in weight to _ cubes.
The pear is equal in weight to _ cubes.
The apple is _____ the pear.

To be able to measure mass

Which object is heavier? Which object is lighter?

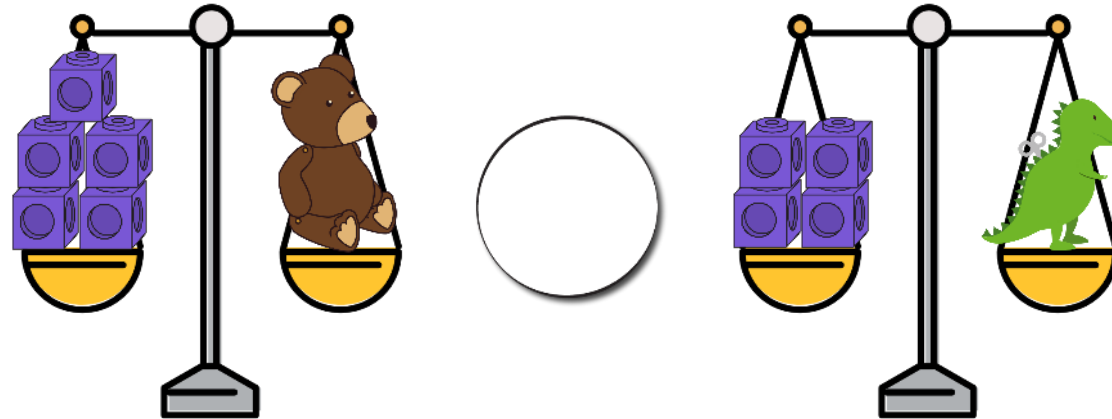


The apple is equal in weight to 3 cubes.
The pear is equal in weight to 3 cubes.
The apple is equal to the pear.

To be able to measure mass

✓ = equals > More than < less than

Which object is heavier? Which object is lighter?



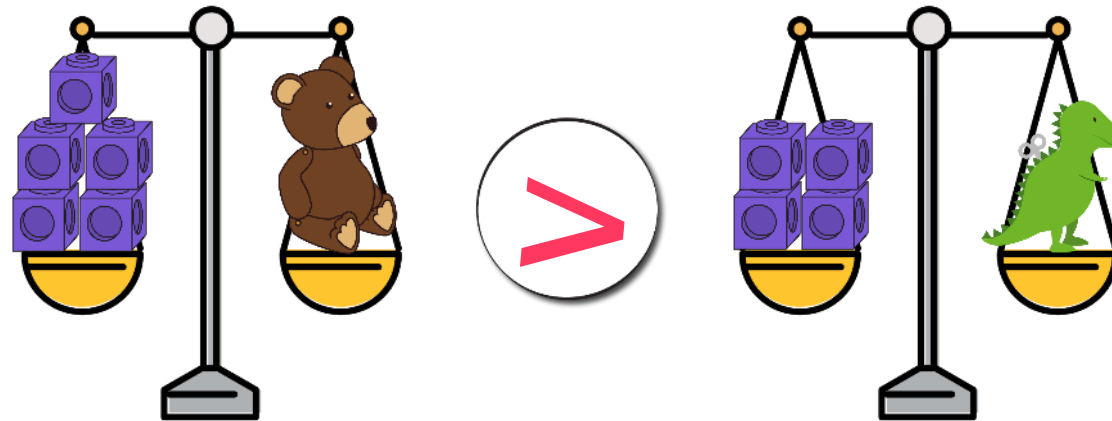
The bear is equal in weight to _ cubes.

The toy is equal in weight to _ cubes.

The toy is _____ the bear.

To be able to measure mass

Which object is heavier? Which object is lighter?



The bear is equal in weight to 5 cubes.
The toy is equal in weight to 4 cubes.
The toy is lighter than the bear.

To be able to measure mass

Put the objects in order from lightest to heaviest. Draw them in your book.



bear
7 cubes



apple
2 cubes



basketball
4 cubes

To be able to measure mass



apple
2 cubes



basketball
4 cubes



bear
7 cubes

Lightest



Heaviest

To be able to measure mass

Activity 2:

Put the objects in order from lightest to heaviest



green toy
6 cubes



pear
3 cubes



football
5 cubes

To be able to measure mass

Put the objects in order from lightest to heaviest



pear
3 cubes



football
5 cubes



green toy
6 cubes

The pear is lightest, followed by the football, then the toy is the heaviest.

To be able to measure mass

Activity 3:

Collect four items.

Find each item's mass in multilink cubes.

Place the items in mass order.

Check your ordering by placing the items in either pan of a scale, working in mass order.



To be able to measure mass

Activity 3:

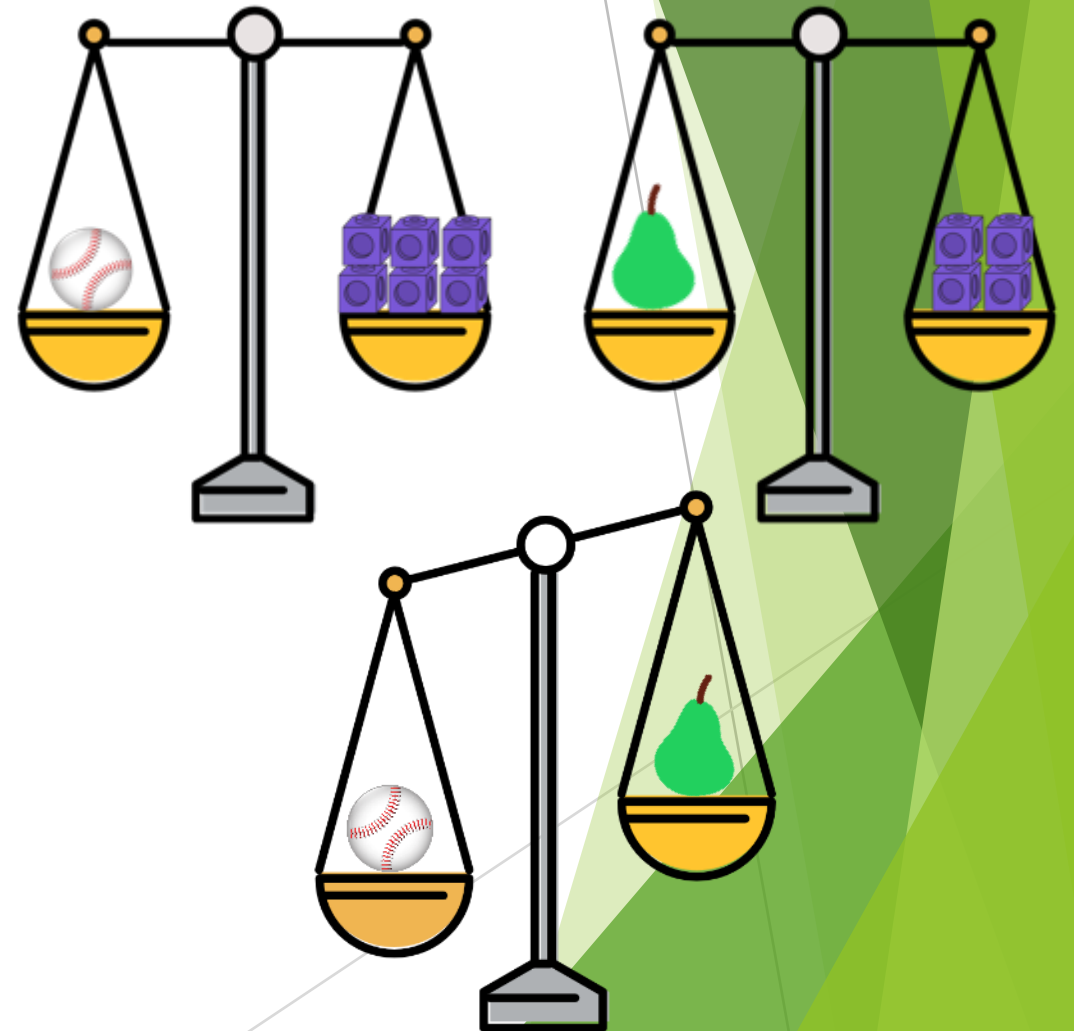
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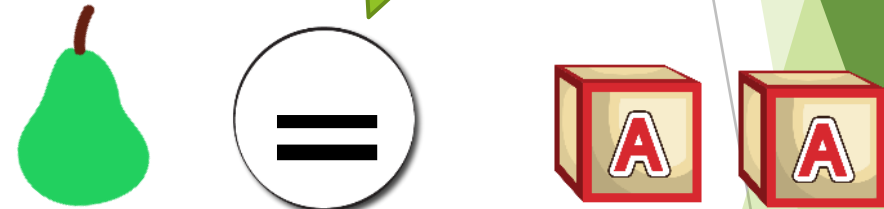
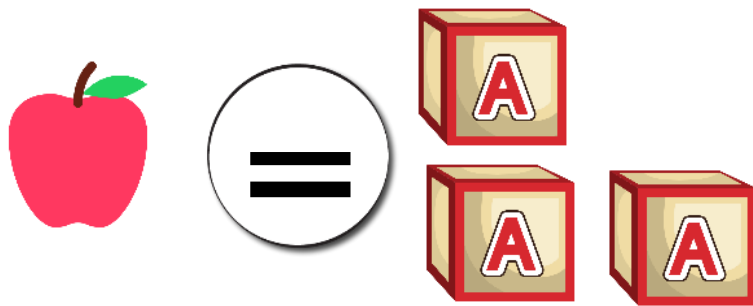
Teacher / peer assessment



To be able to measure mass

Think carefully,
what does this sign
mean?

Fill the blanks in the sentences below write them in
Your book.



The apple weighs the same as _ blocks.
The pear weighs the same as _ blocks.
The _____ is heavier than the _____.
The _____ is lighter than the _____.

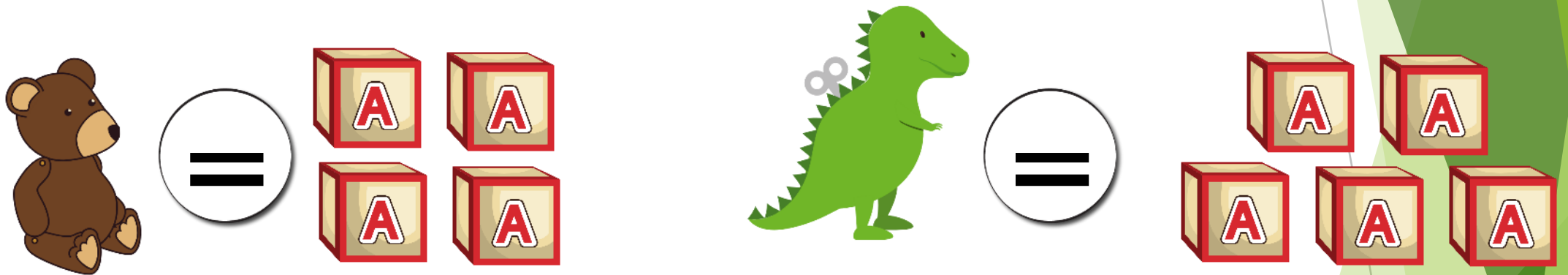
To be able to measure mass



The apple weighs the same as 3 blocks.
The pear weighs the same as 2 blocks.
The **apple** is heavier than the **pear**.
The **pear** is lighter than the **apple**.

To be able to measure mass

Fill the blanks in the sentences below, write them in your book.



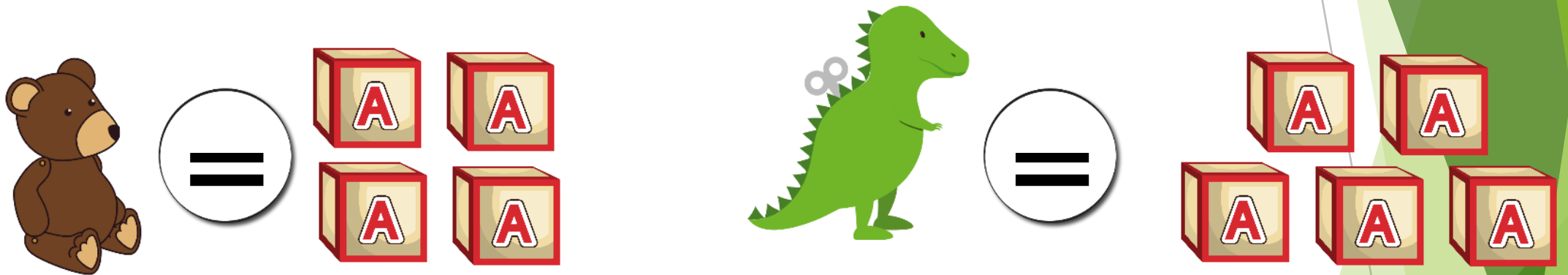
The green toy weighs the same as _ blocks.

The bear weighs the same as _ blocks.

The _____ is heavier than the _____.

The _____ is lighter than the _____.

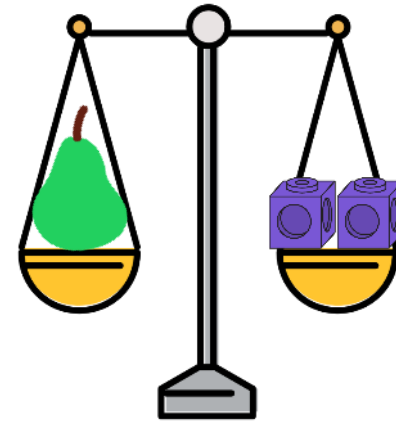
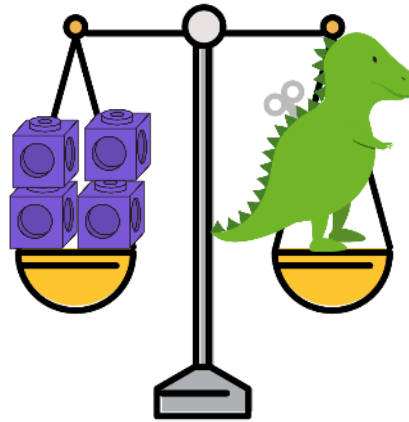
To be able to measure mass



The green toy weighs the same as 5 blocks.
The bear weighs the same as 4 blocks.
The **green toy** is heavier than the **bear**.
The **bear** is lighter than the **green toy**.

To be able to measure mass

Match each person's object to their statement.



Eve says,
"My object is the
lightest object."

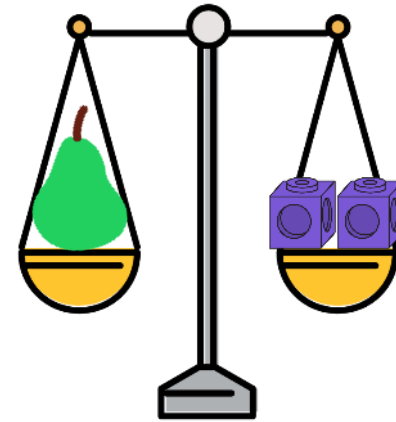
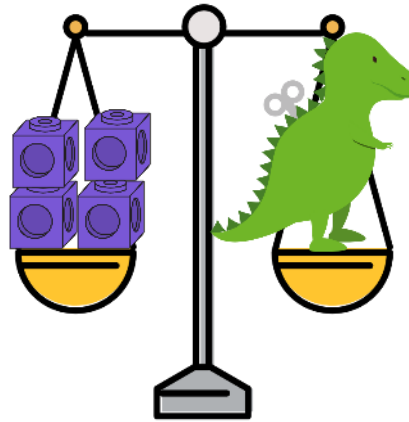
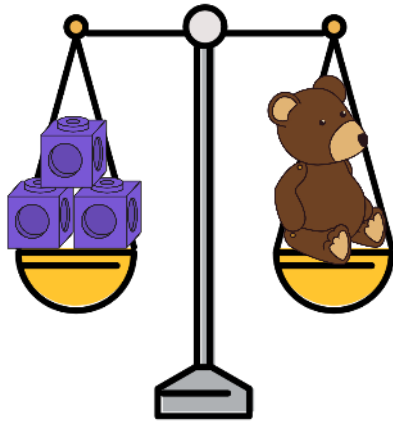
Ahmed says,
"My object is equal
to 3 cubes."

Chen says,
"My object is worth
the most cubes."

To be able to measure mass

Talking Time:

Match each person's object to their statement.



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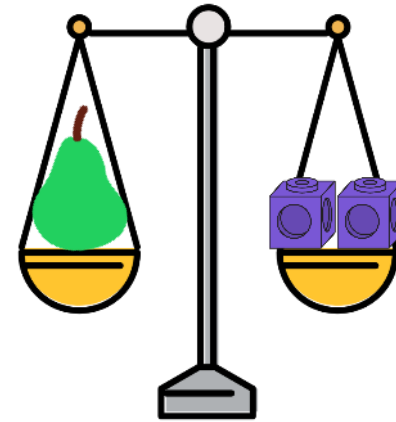
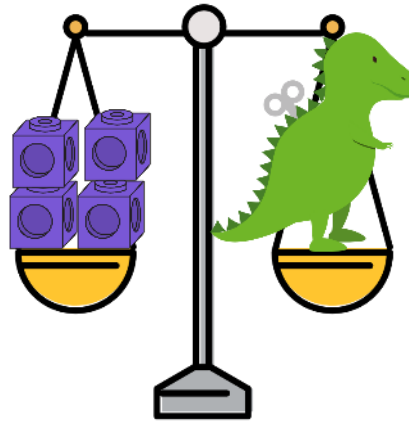
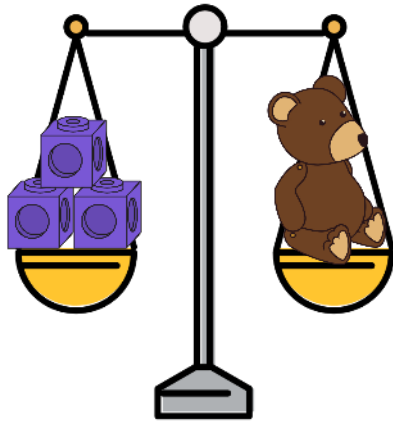
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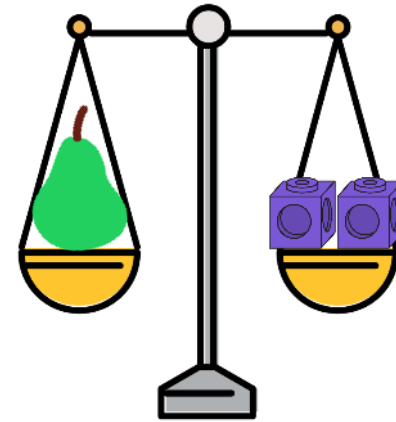
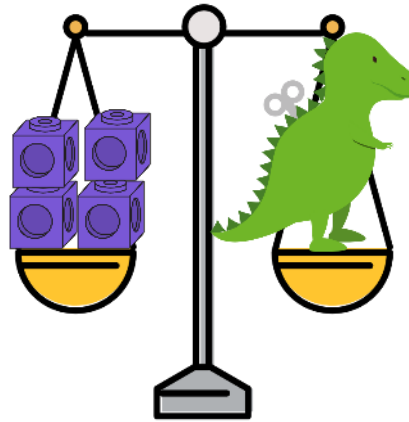
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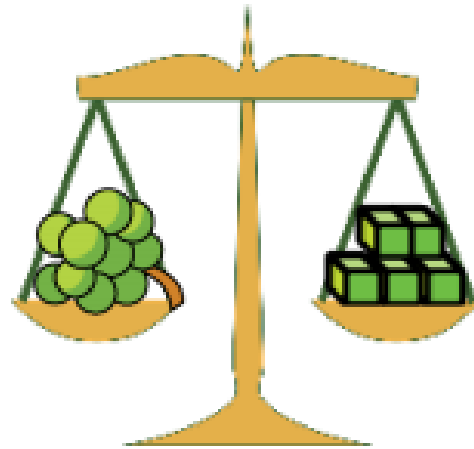
Challenge time!



Complete the sentences below.



The cupcake weighs cubes.

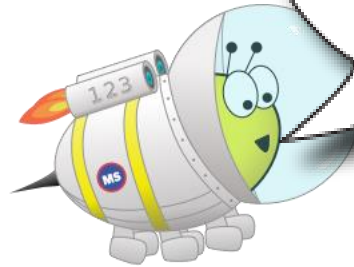


The grapes weigh cubes.

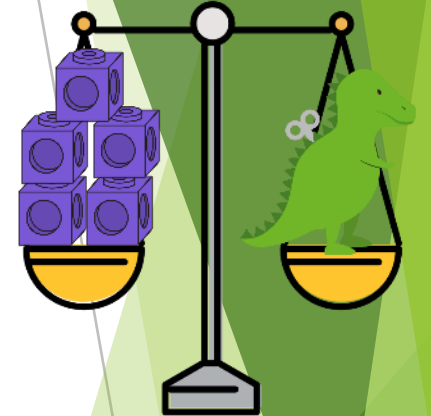
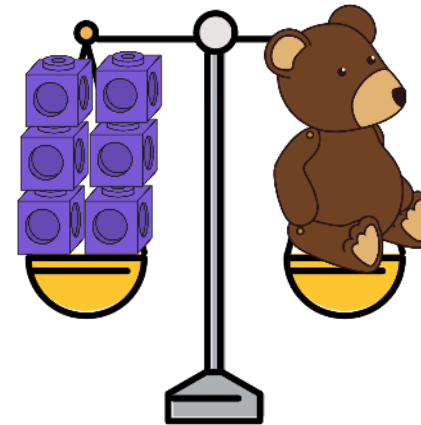
A cake is than a pineapple. (*heavier/lighter*)

To be able to measure mass

Evaluation:



The bear is lighter than the green dinosaur toy.

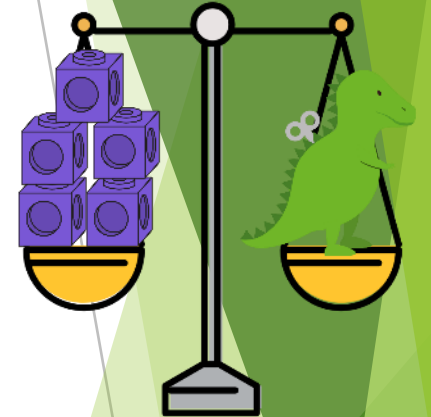
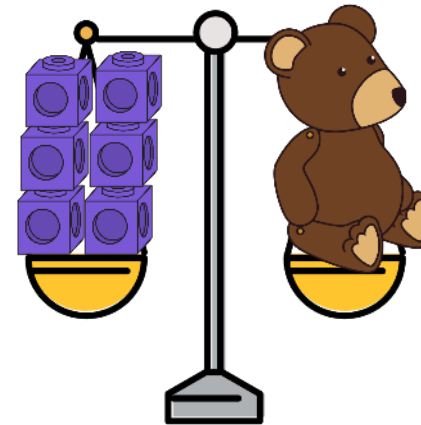
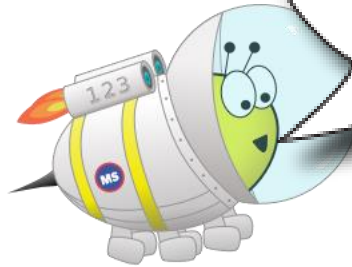


Is Astrobee's right or wrong? How do you know?

To be able to measure mass

Evaluation:

The bear is lighter
than the green
dinosaur toy.



Astrobee's statement is wrong. The bear weighs six cubes which means it is heavier than the green dinosaur toy which only weighs five cubes.



Wow! You are
amazing at this! See
you tomorrow.