

YEAR 1

Weight & Volume

- Introduce weight and mass
- Measure mass
- Compare mass



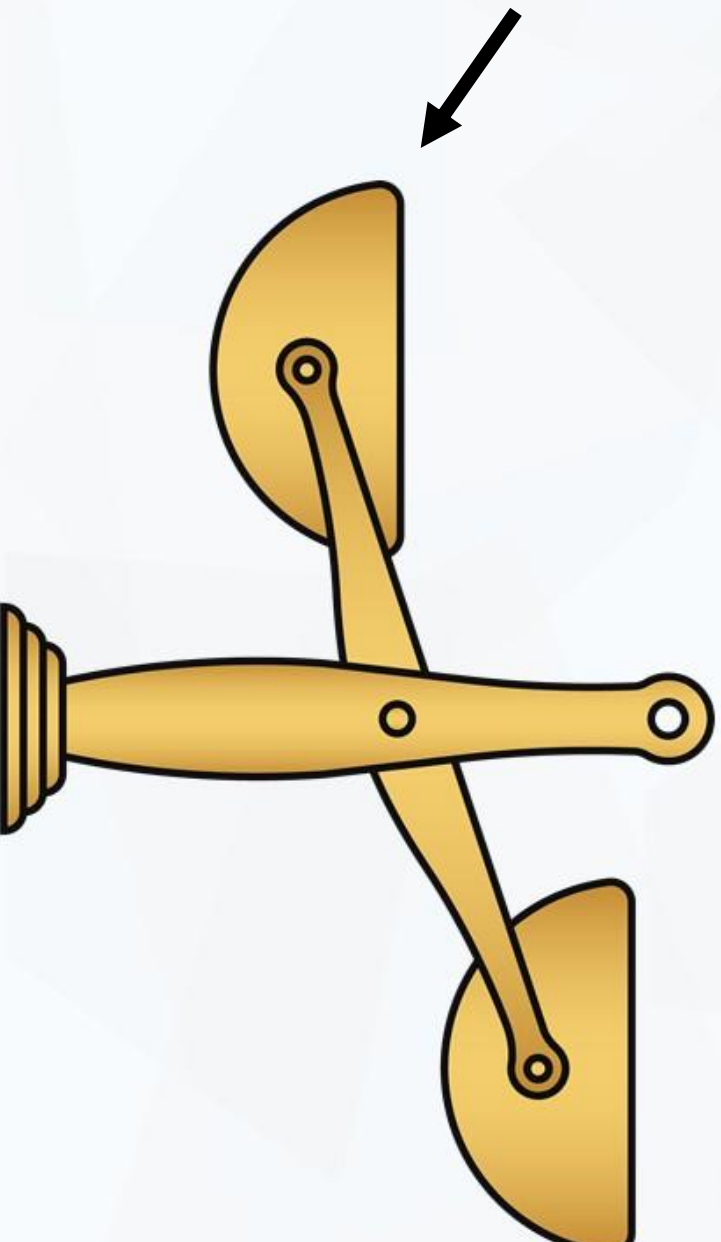
PrimaryStars
EDUCATION

Block 4 – Week 10

Lesson 1

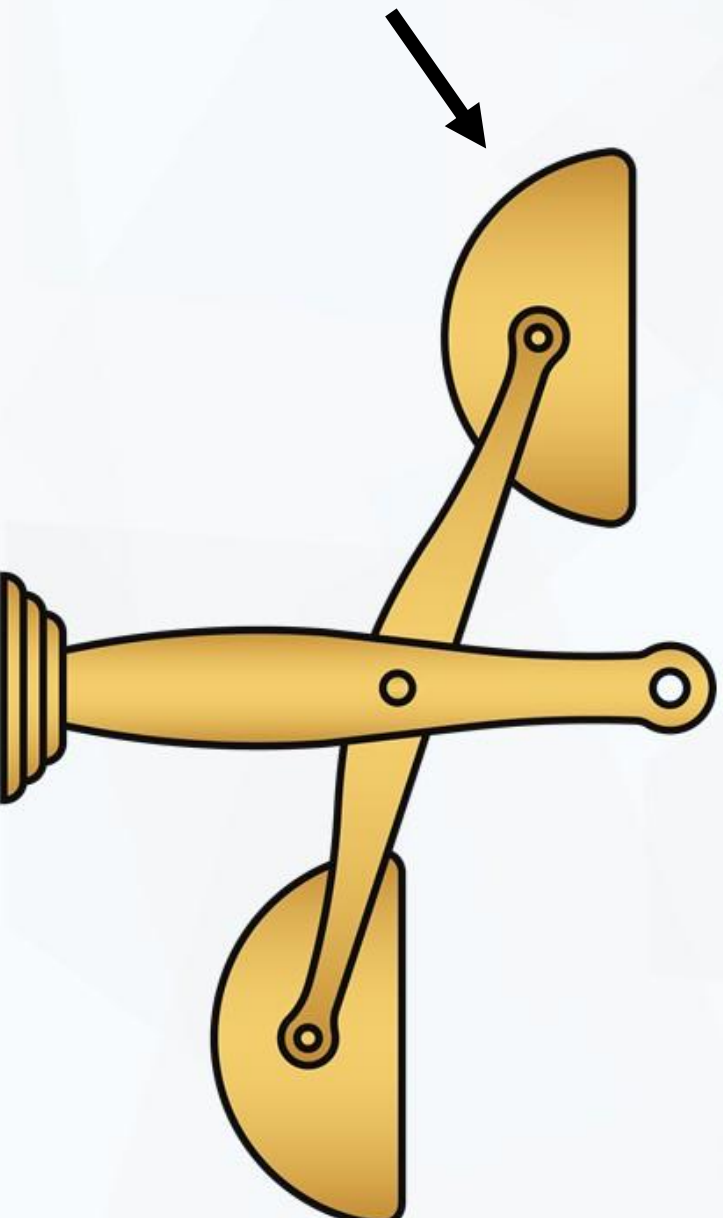
Step: Introduce weight and mass (Practical)

What does it mean when the scale is down?



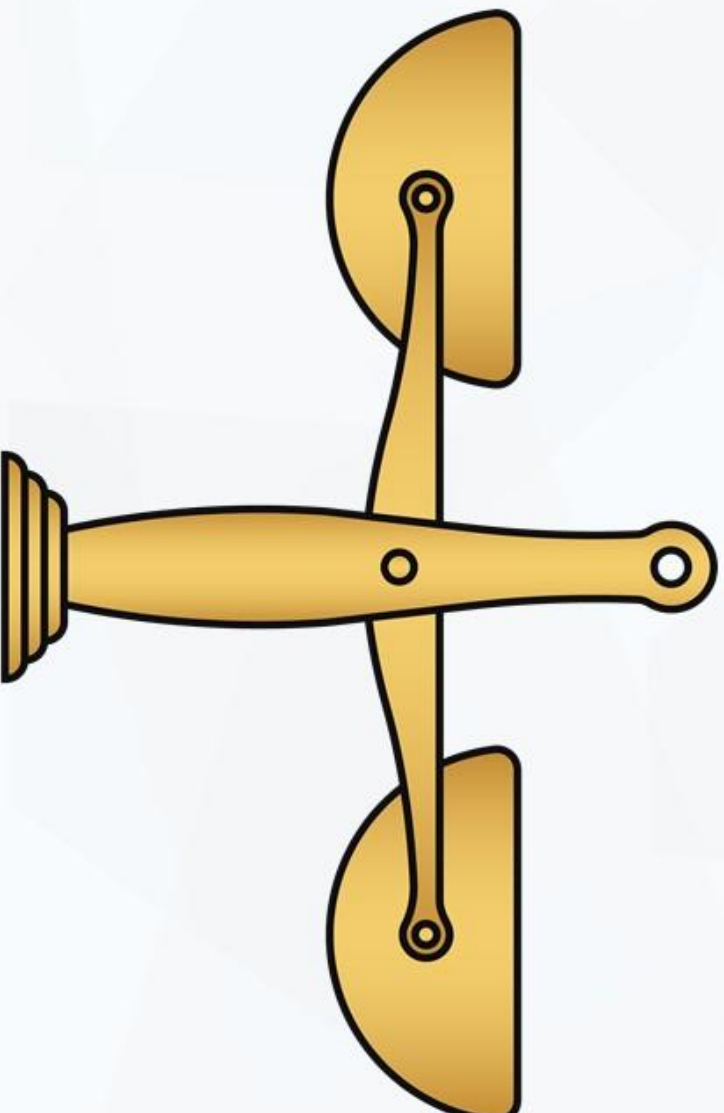
It means it has the heavier object on that side.

What does it mean when the scale is up?



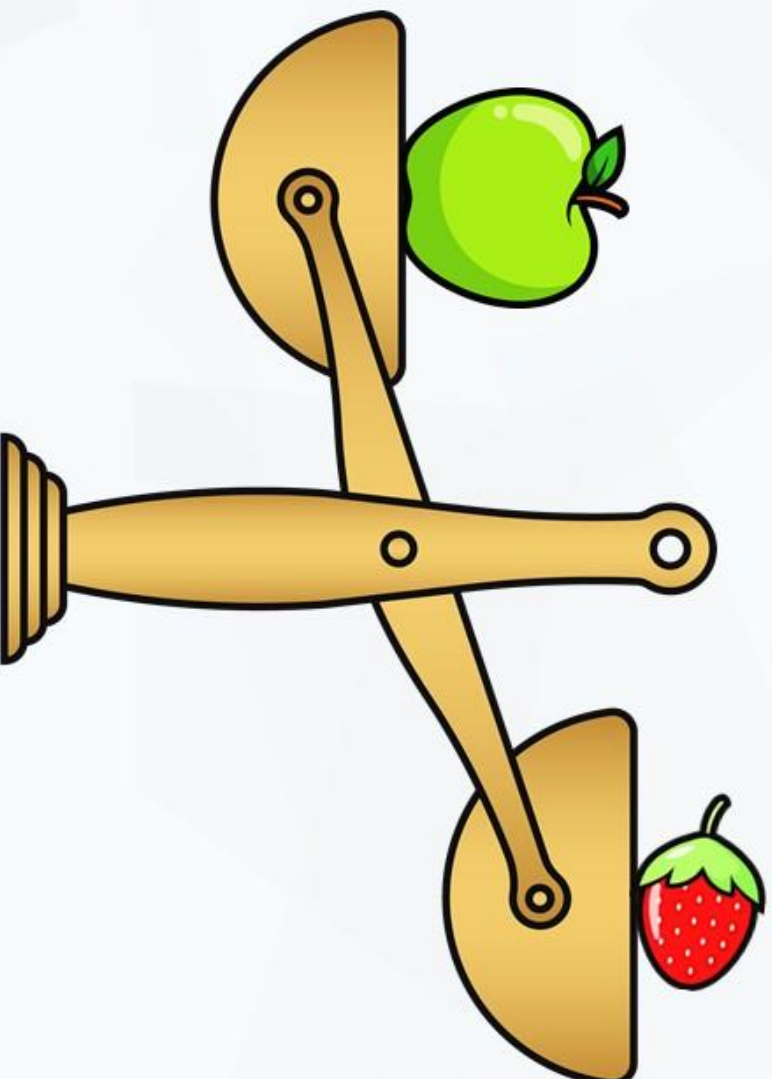
It means it has the lighter object on that side.

What does it mean when the scales are balanced?



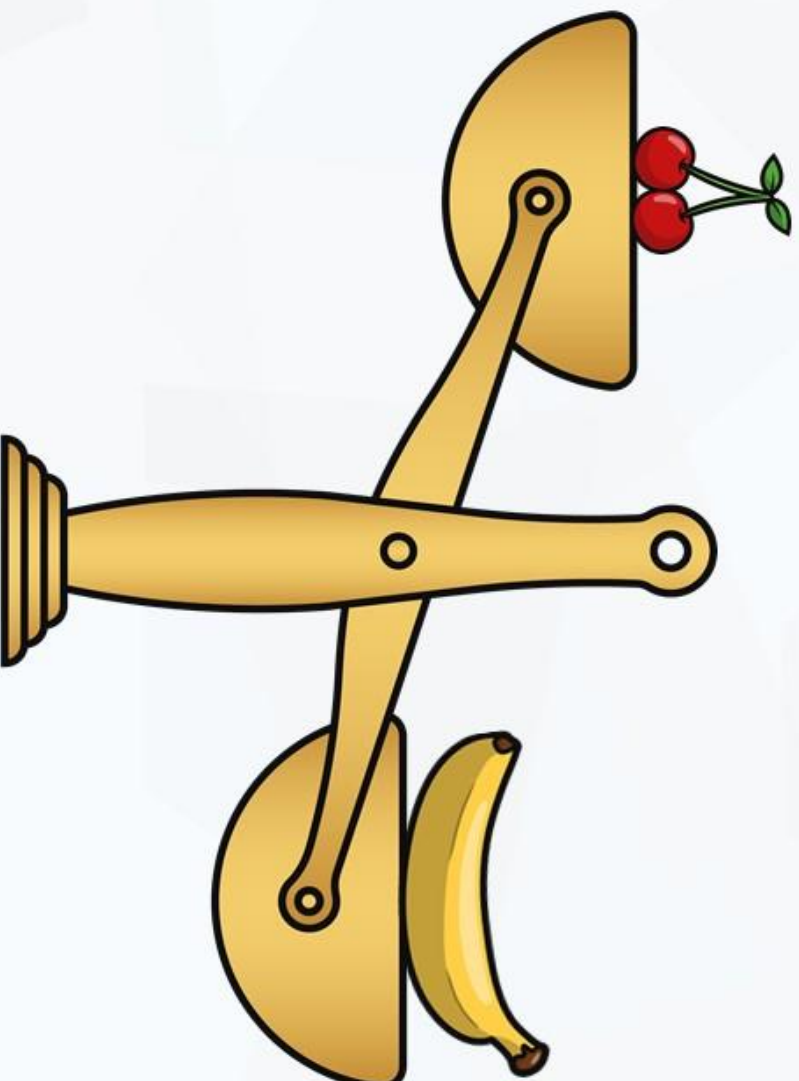
It means both items on the scale have the same mass.

Which object is heavier? the apple
Which object is lighter? the strawberry



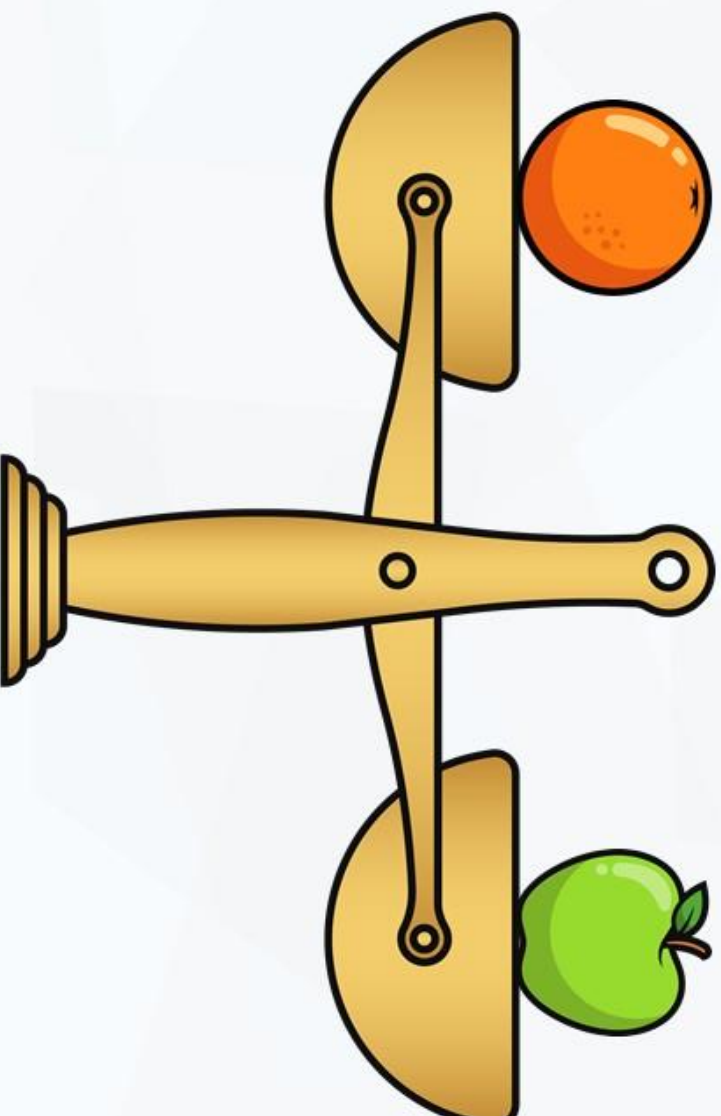
How do you know?

Which object is heavier? the banana
Which object is lighter? the cherry



How do you know?

What do the balance scales show?



The balance scales show that the apple and orange weigh the same.



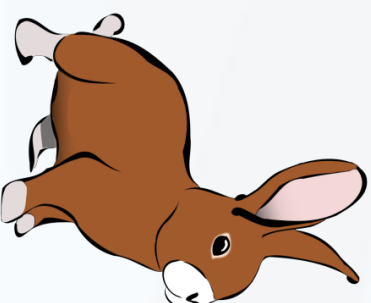
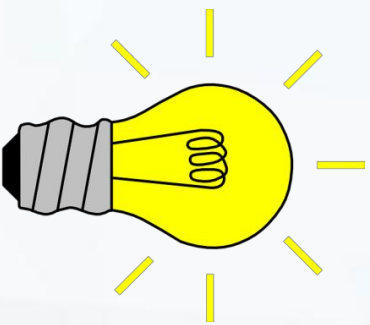
Che

The light bulb is heavier than the rabbit.

The rabbit is heavier than the light bulb.



Kat

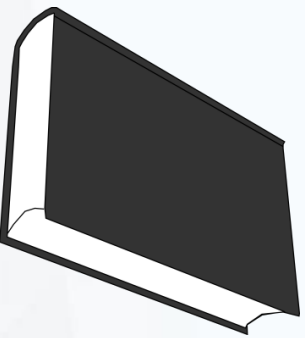


Who is correct? Explain your answer.

Kat is correct. The rabbit weighs more than the light bulb.



Name three items that are
lighter than a football.



Name three items that are
heavier than a book.



Lesson 2

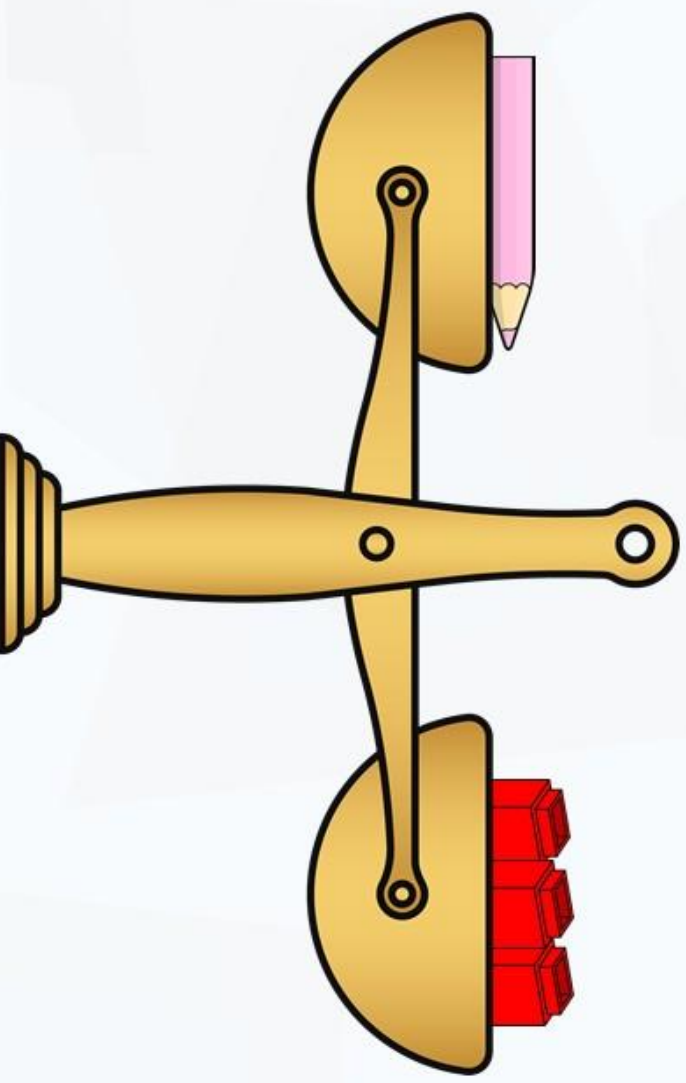
Step: Measure mass (Practical)

In this lesson you are going to weigh different items using cubes.

1) Estimate

2) Measure

3) Write a sentence:



The _____ weighs the same as _____ cubes

**Is the biggest
item always the
heaviest item?
How do you
know?**

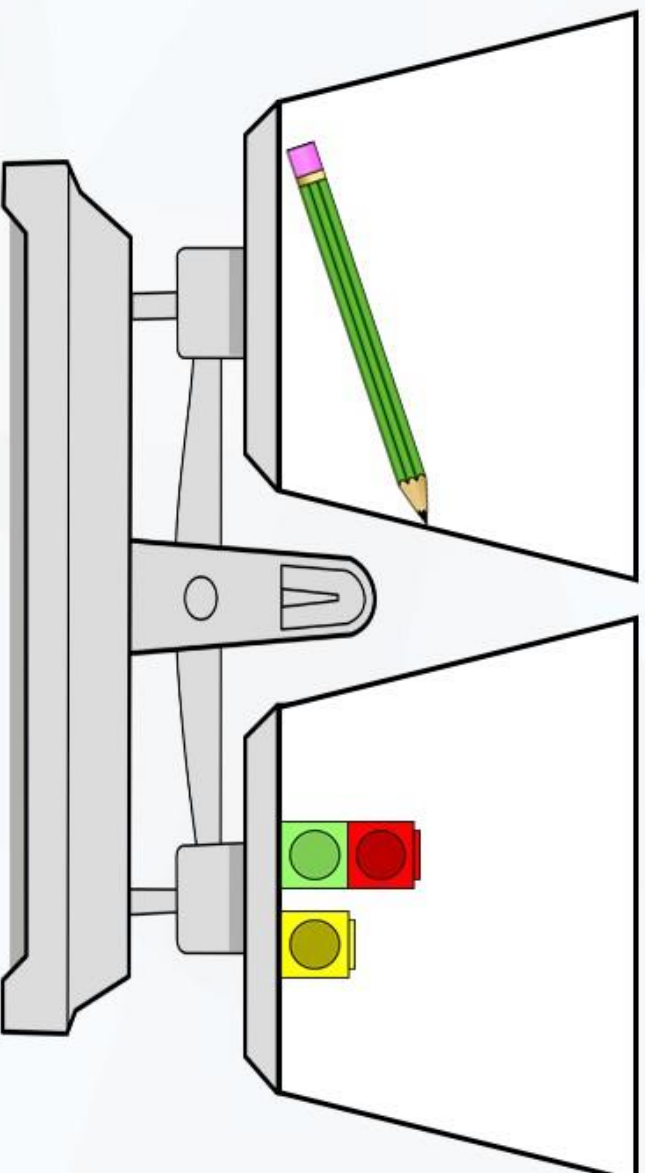
**How many cubes
in difference is
the heaviest item
and lightest item?**

**Think of three of your own
questions to ask your
partner about the objects
you have weighed.**

Lesson 3

Step: Measure mass

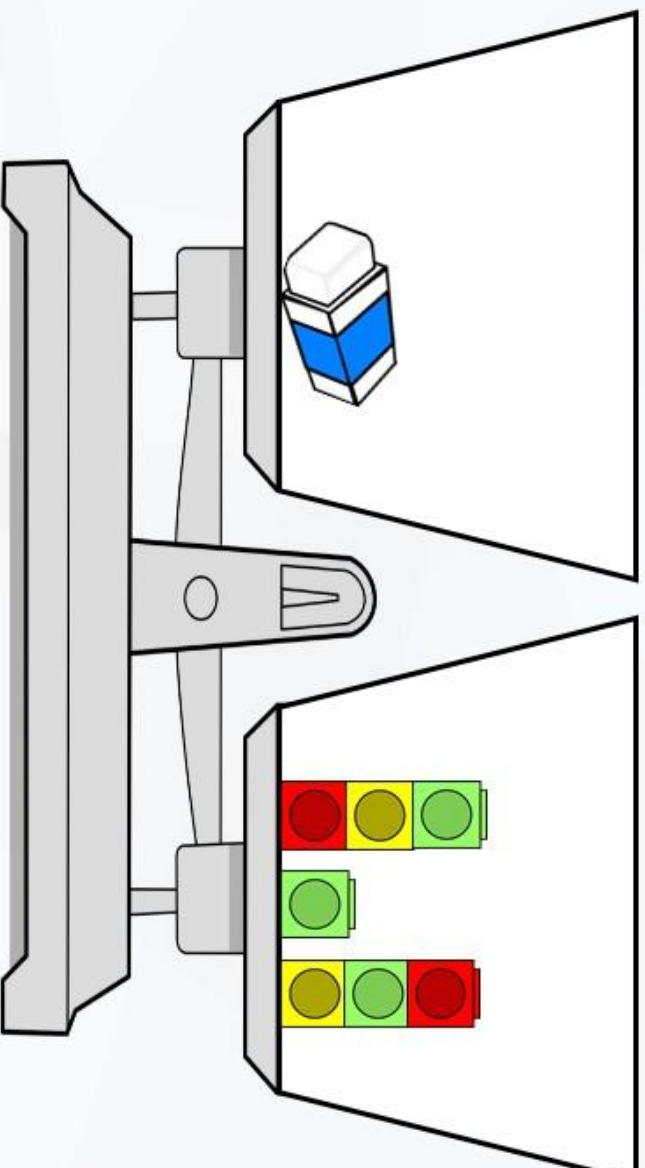
How many cubes does pencil weigh? **3 cubes**



How do you know?

What would happen if we removed a cube?

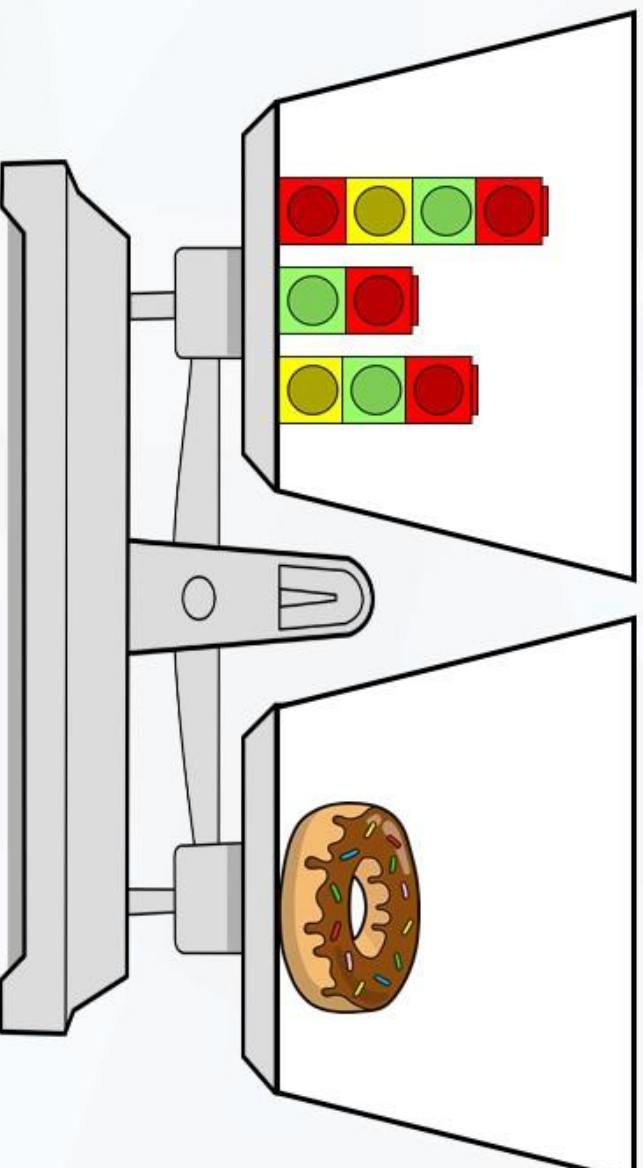
How many cubes does rubber weigh? **7 cubes**



How do you know?

What would happen if we added a cube?

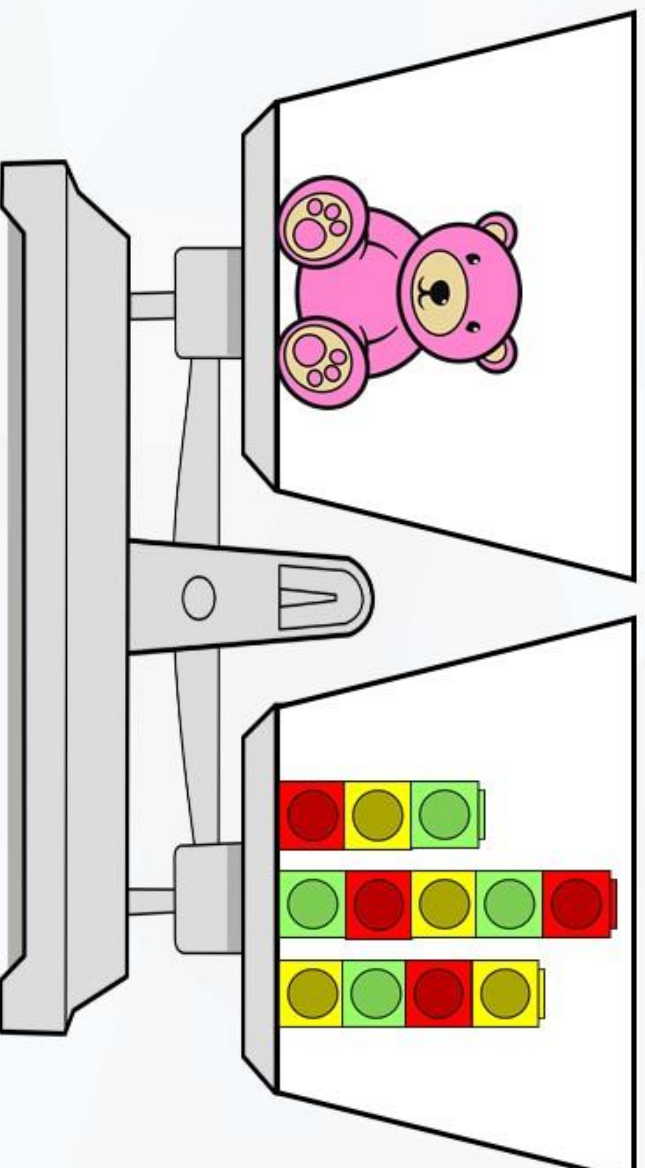
How many cubes does doughnut weigh? **9 cubes**



How do you know?

What would happen if we added another doughnut?

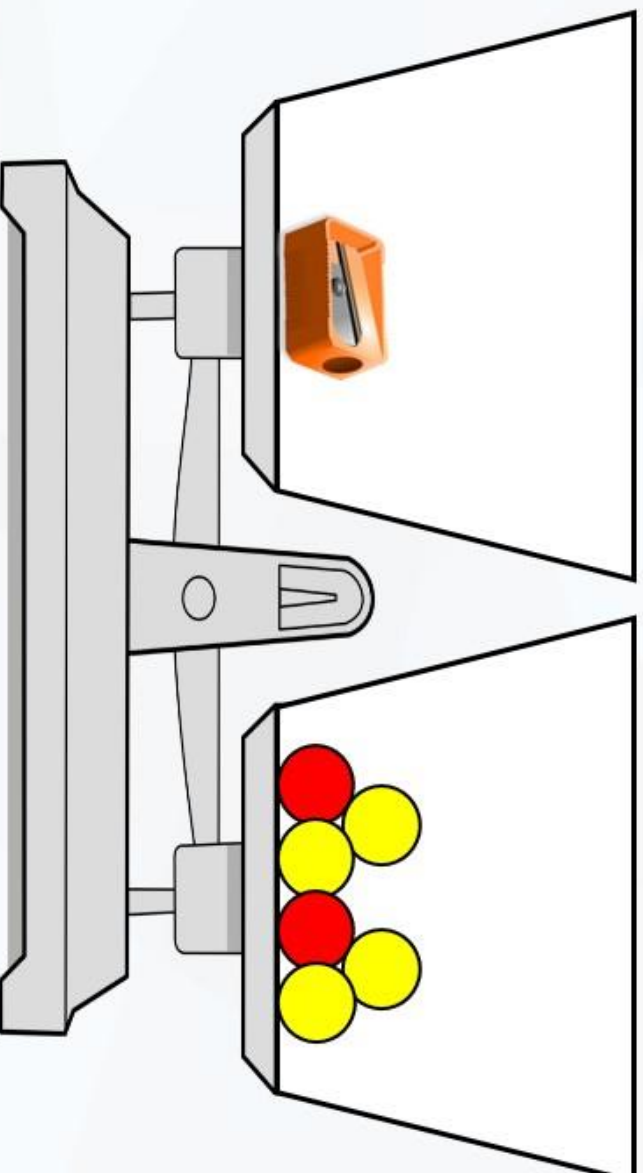
How many cubes does teddy weigh? **12 cubes**



How do you know?

What would happen if we removed 3 cubes?

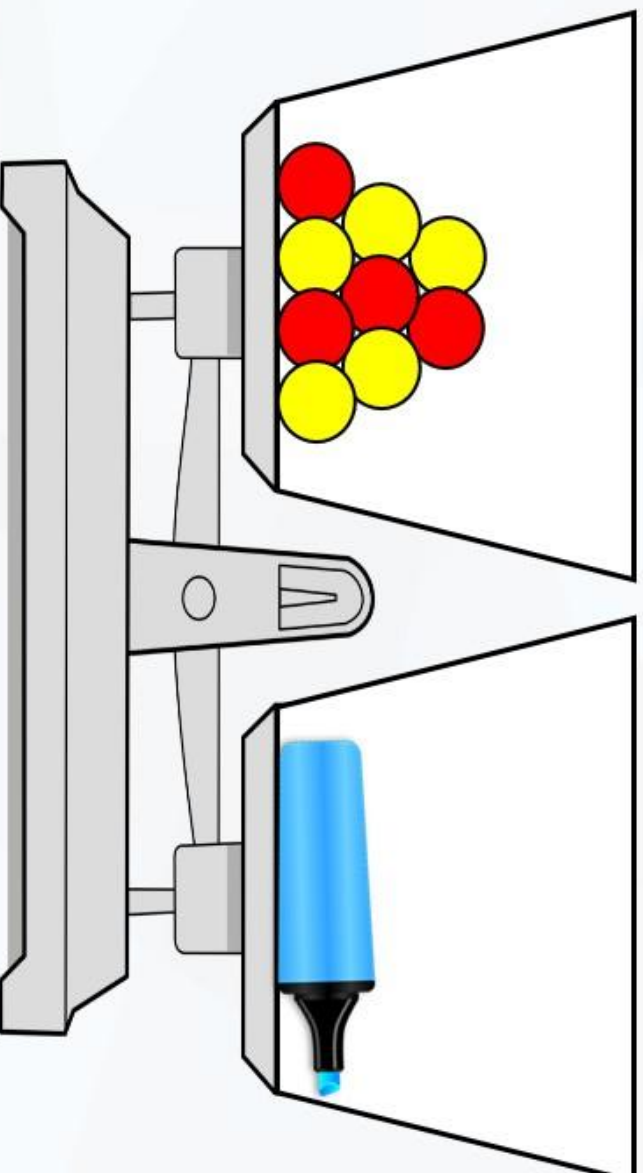
How many counters does sharpener weigh? **6 counters**



How do you know?

What would happen if we added another sharpener?

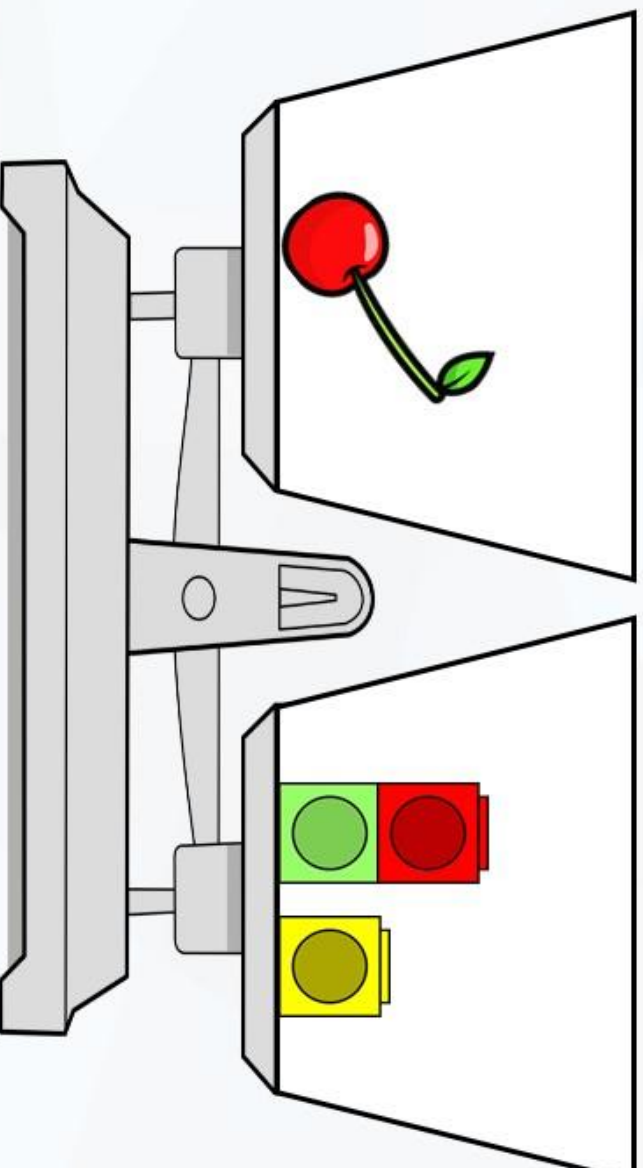
How many counters does highlighter weigh? **9 counters**



How do you know?

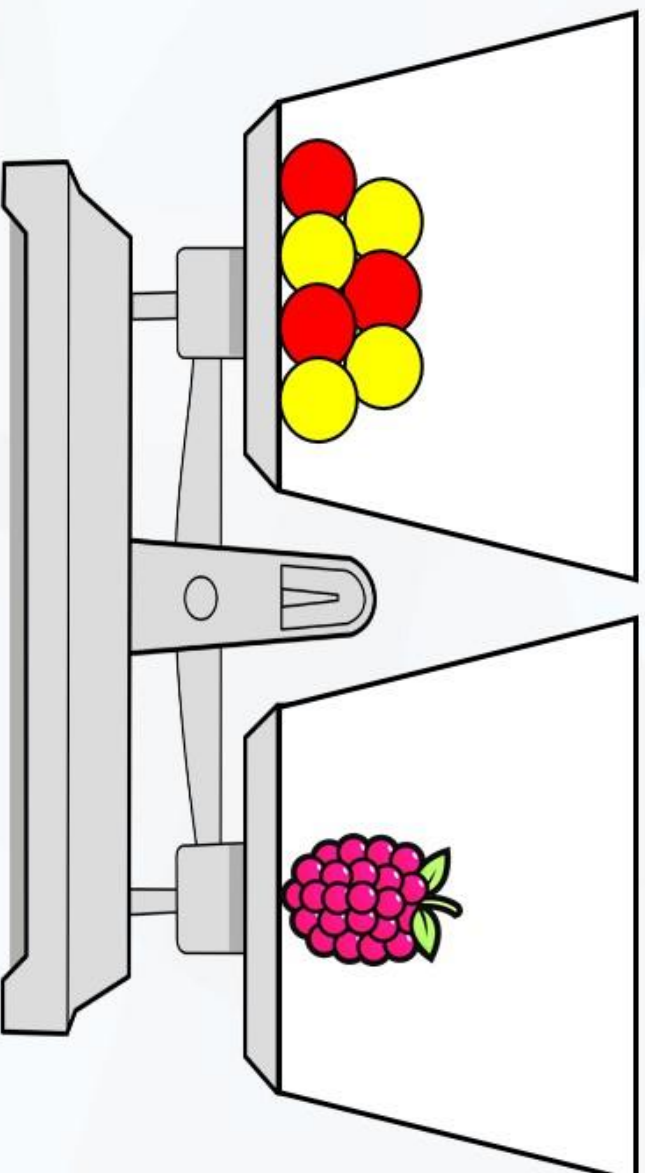
What would happen if we removed 2 counters?

Write a sentence to describe the mass of the object.



The cherry weighs 3 cubes.

Write a sentence to describe the mass of the object.



The raspberry weighs 7 counters.

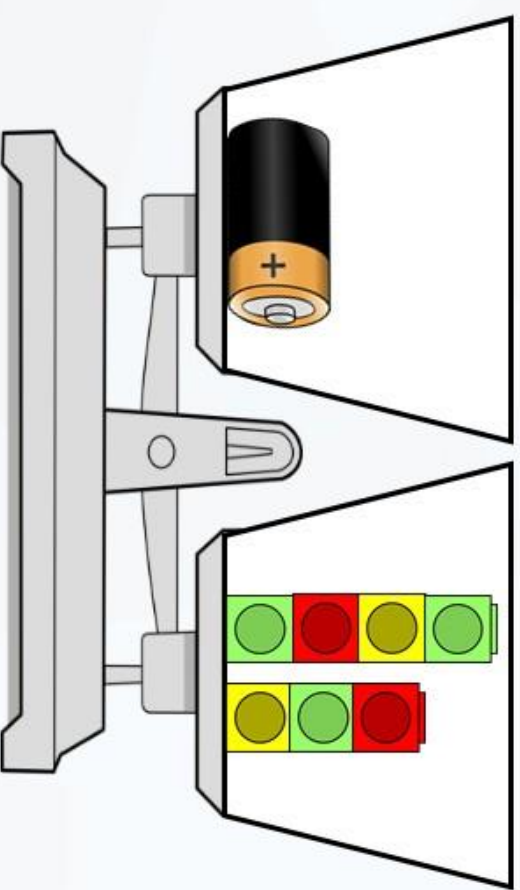
The apple's mass is measured using batteries.
The pear is lighter than the apple.



What could the pear weigh? **1, 2 or 3 batteries.**



The battery weighs less than 8 cubes.



Is Dom correct?
Explain how you know.

Dom is correct.
The battery weighs 7 cubes.
7 is less than 8.



What do 2 pencils weigh? 4 cubes

What do 3 pencils weigh? 6 cubes

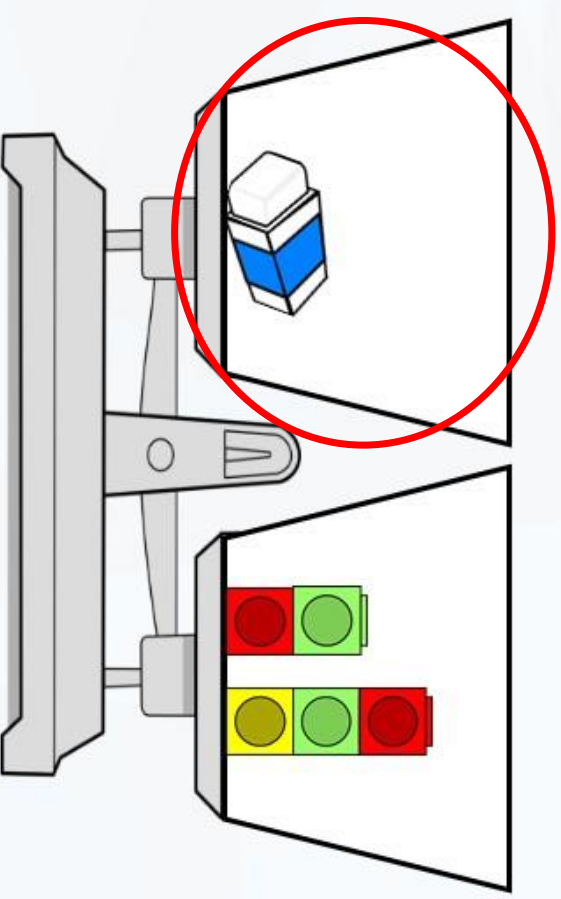
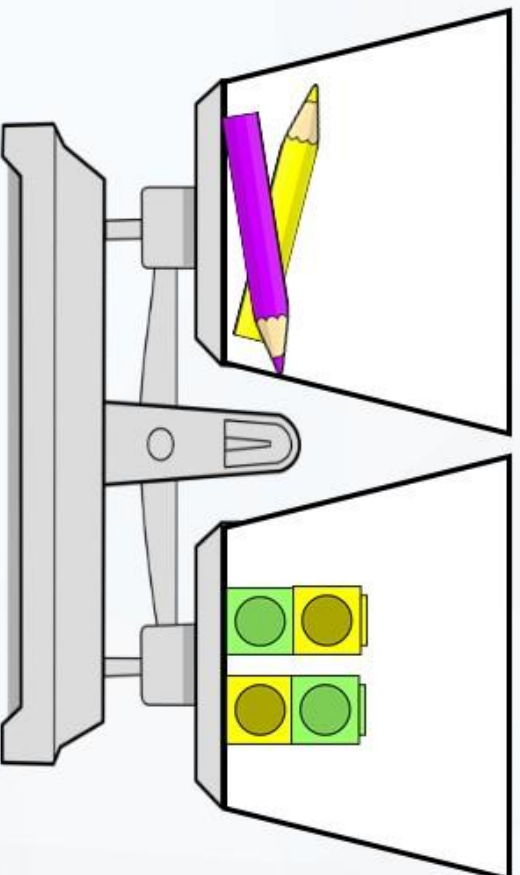
What do 4 pencils weigh? 8 cubes

Do you notice a pattern?

Lesson 4

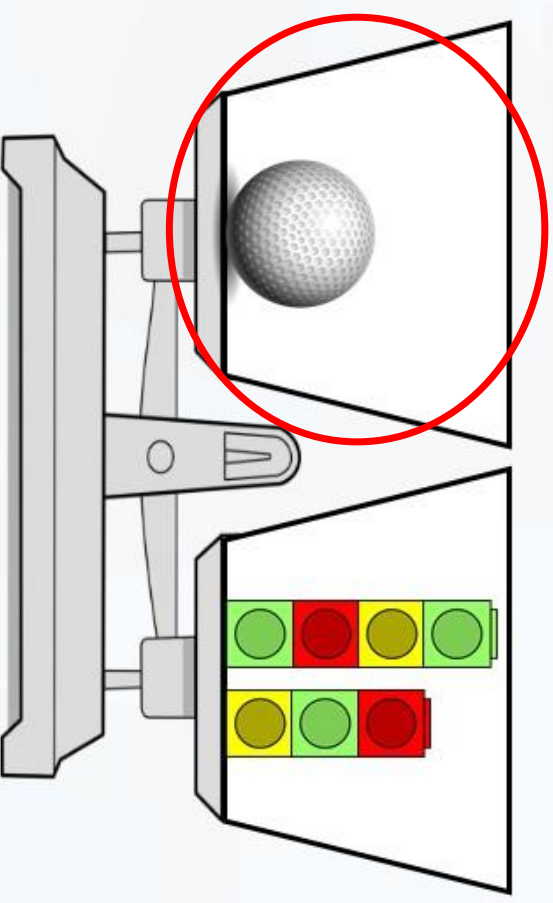
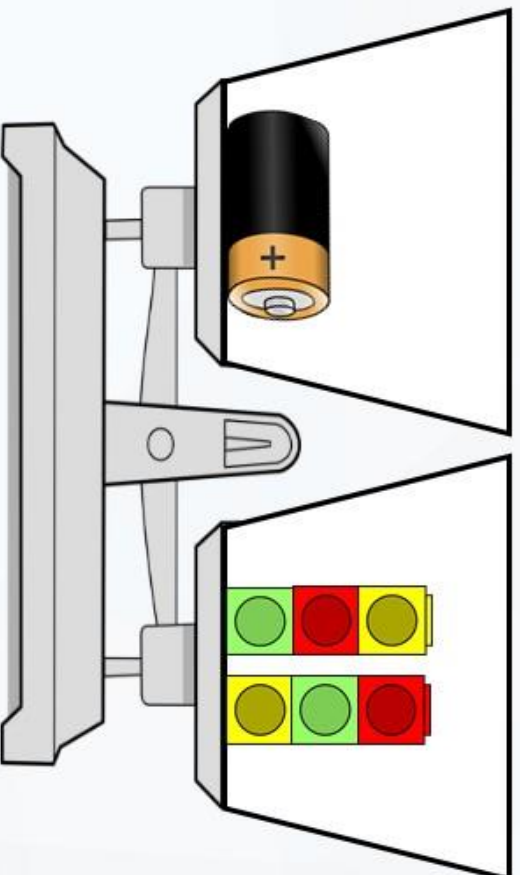
Step: Compare mass

Which item is heavier? the rubber



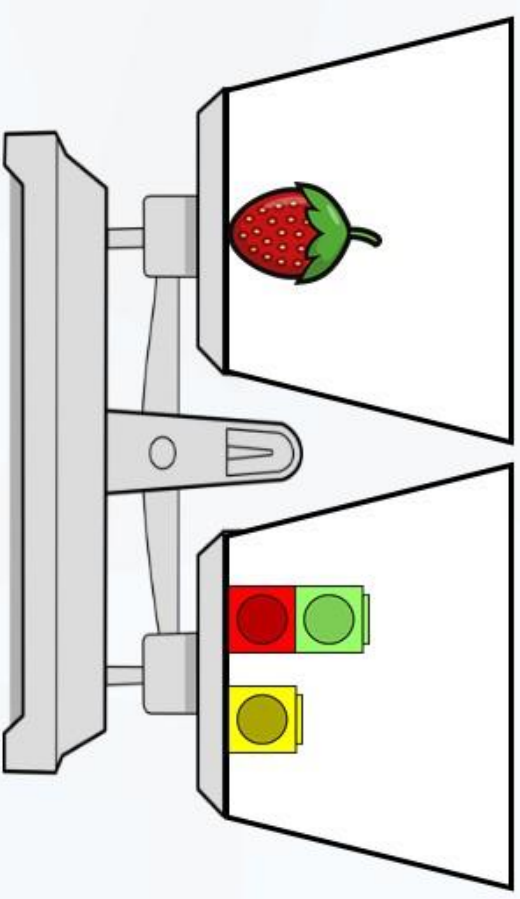
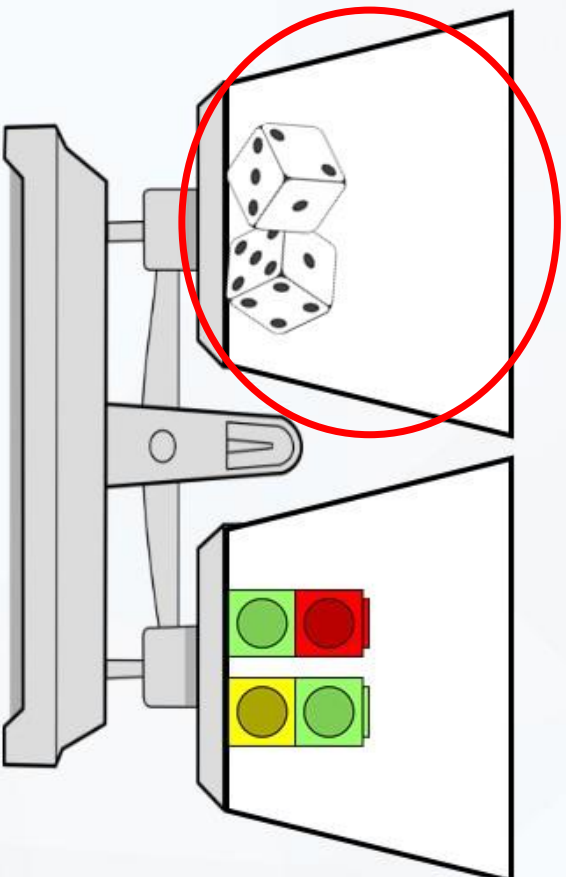
How do you know?

Which item is heavier? the golf ball



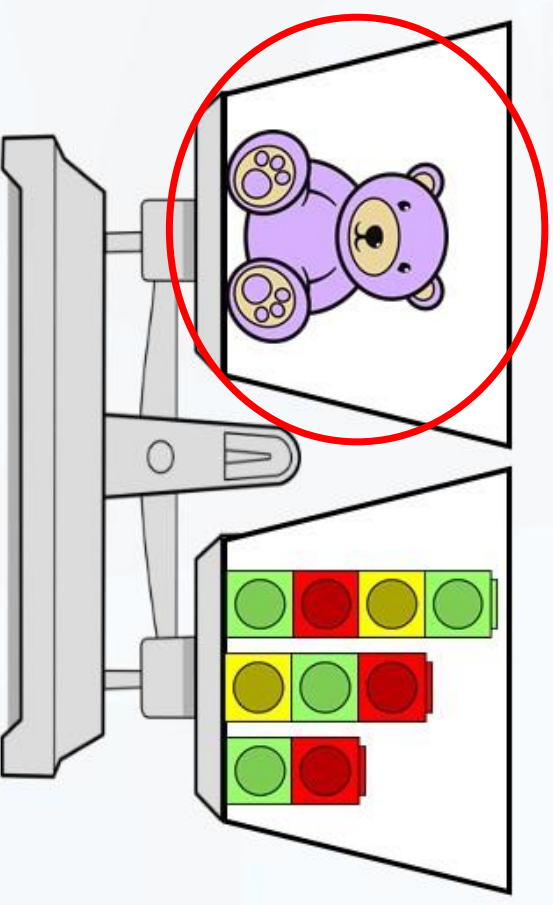
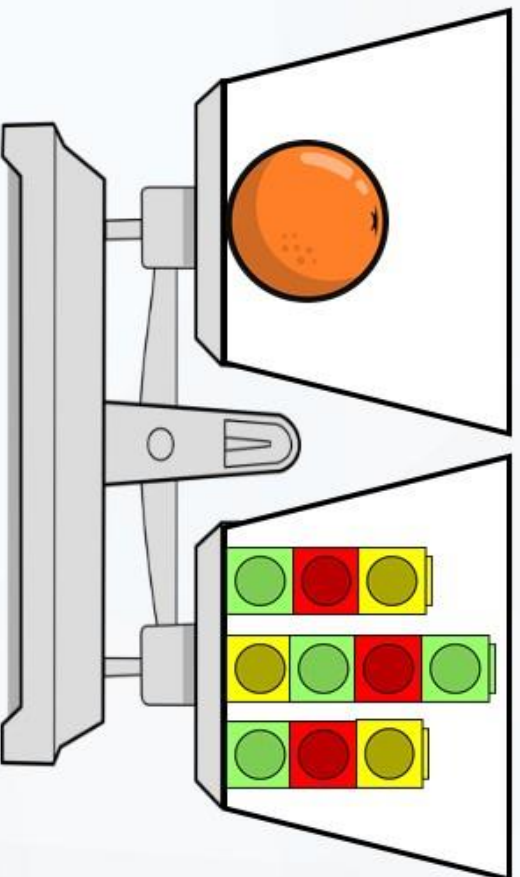
How do you know?

Which item is heavier? the dice



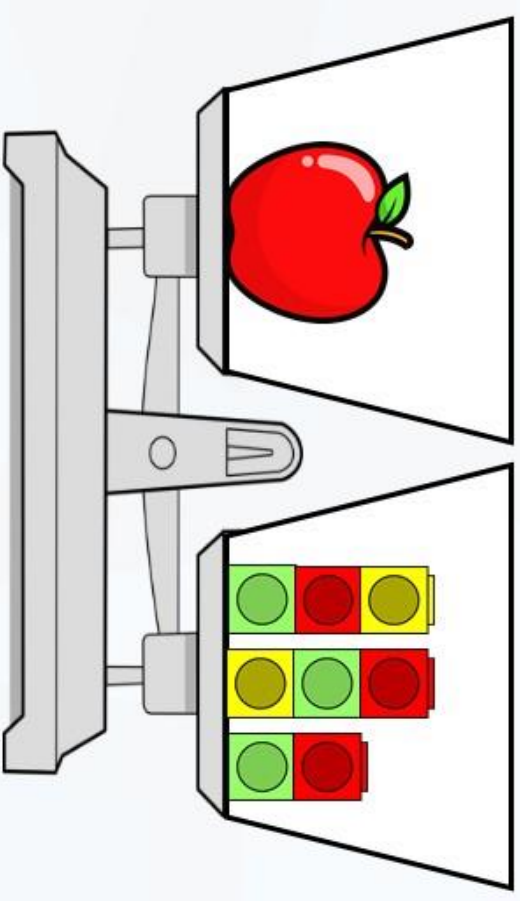
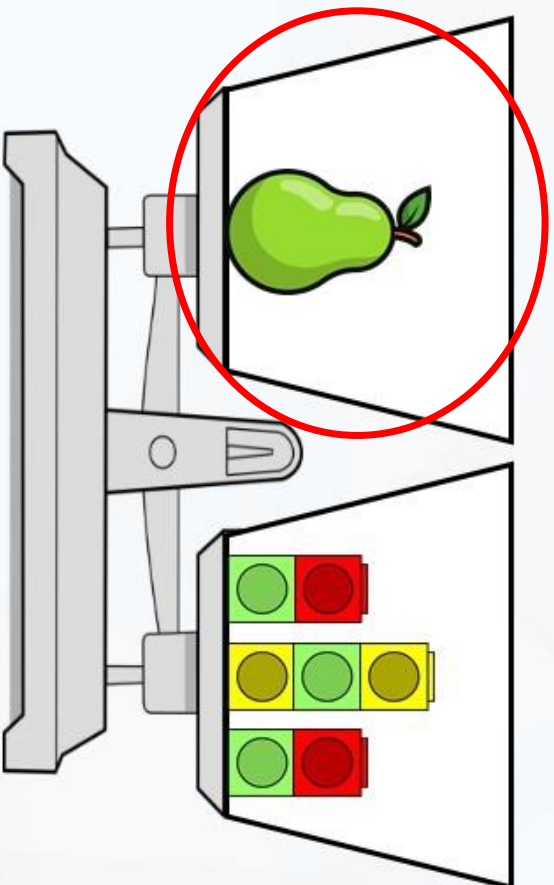
How do you know?

Which item is lighter? the teddy

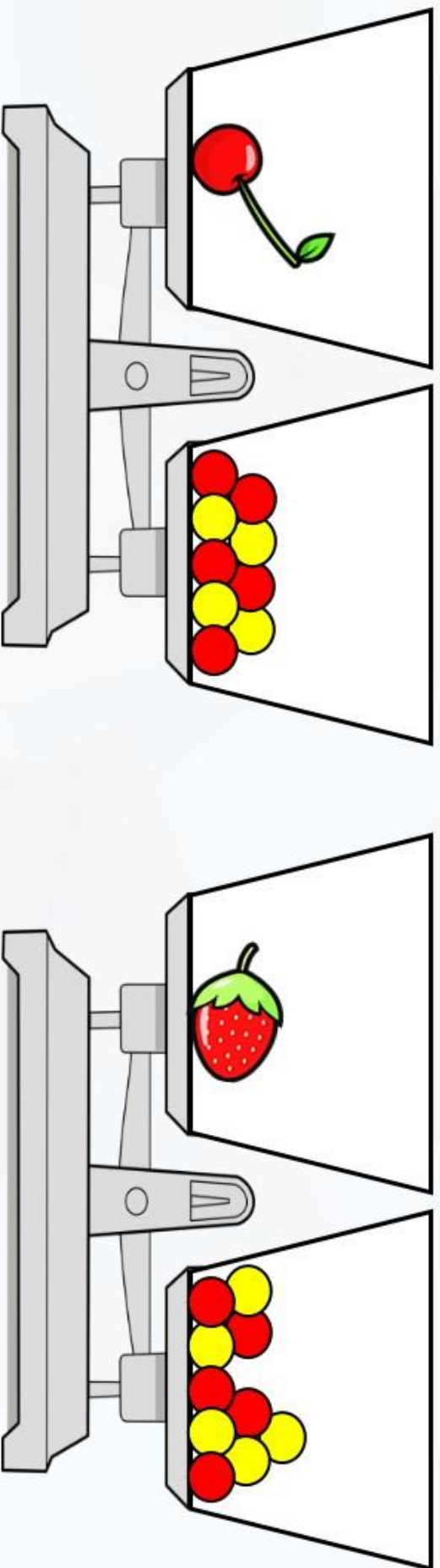


How do you know?

Which item is lighter? the pear



How do you know?



The cherry weighs more than the strawberry.

True or false? Explain your answer.

False.

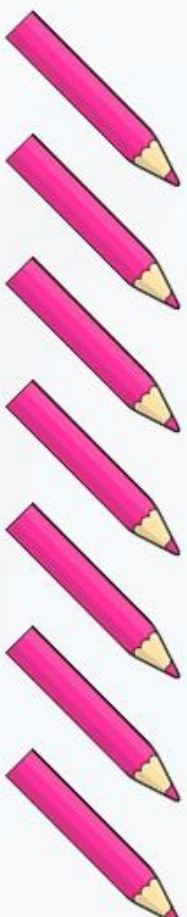
The cherry weighs 9 counters and strawberry weighs 10.



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The **apple** is the heaviest.

The **lemon** is the lightest.

The **apple** weighs **7** pencils.

The **lemon** weighs **6** pencils.