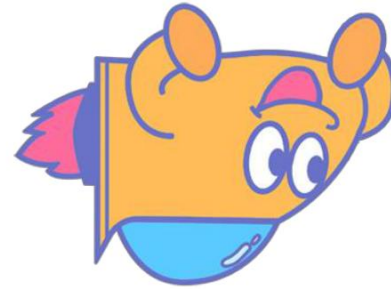


NAME _____



MORIOKA CHILDREN'S MUSEUM OF SCIENCE

Challenging Notebook



NOTES

Generator

How much electricity did you generate?



Wh _____

Let's check!

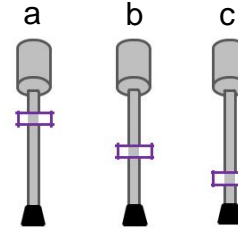
How long can you use an electric fan?

- 25Wh For 1 hour and 15 minutes
- 100Wh For 5 hours
- 199Wh For 9 hours and 57 minutes



Levers

- 【Question 1.】
Which weight will be lifted easiest?
- 【Question 2.】
Which weight will be lifted highest?



Answer. 【Q1.】 _____ 【Q2.】 _____

Mirrors

How many YOU do you see in the mirror room?

- a. One
- b. Fourteen
- c. Countless

Answer. _____



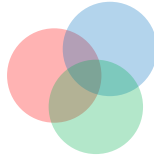
Let's try!

Count the number of reflections with two mirrors facing each other.



Colors of Light

When red, green, and blue light are mixed, what color do they create?



Answer. _____

Let's try!

Look at the screen of TV and computer monitors with magnifying glass.



Shapes of wing

Which wing shape generates lift?



Answer. _____

The shape of the answer is used for the wings of real airplanes.



Wave organ

What happens to the white beads when you play the piano?

- a. Moving
- b. Explosion

Answer. _____

