

# Promoting Separation of Pet bottle by Trick trash can and Reuse

Hirano Senior High School Attached to Osaka Kyoiku University

## Problem & Purpose

**Separate disposal** is needed

↔ Few separated PET bottles

Promote Separation of PET bottle

## Hypothesis

1. Trick trash can encourage people to separate PET bottles
2. Events related to reusing PET bottles encourage people to separate PET bottles

## Methods & Results

### Experiments

at our school  
at Hirano city hall

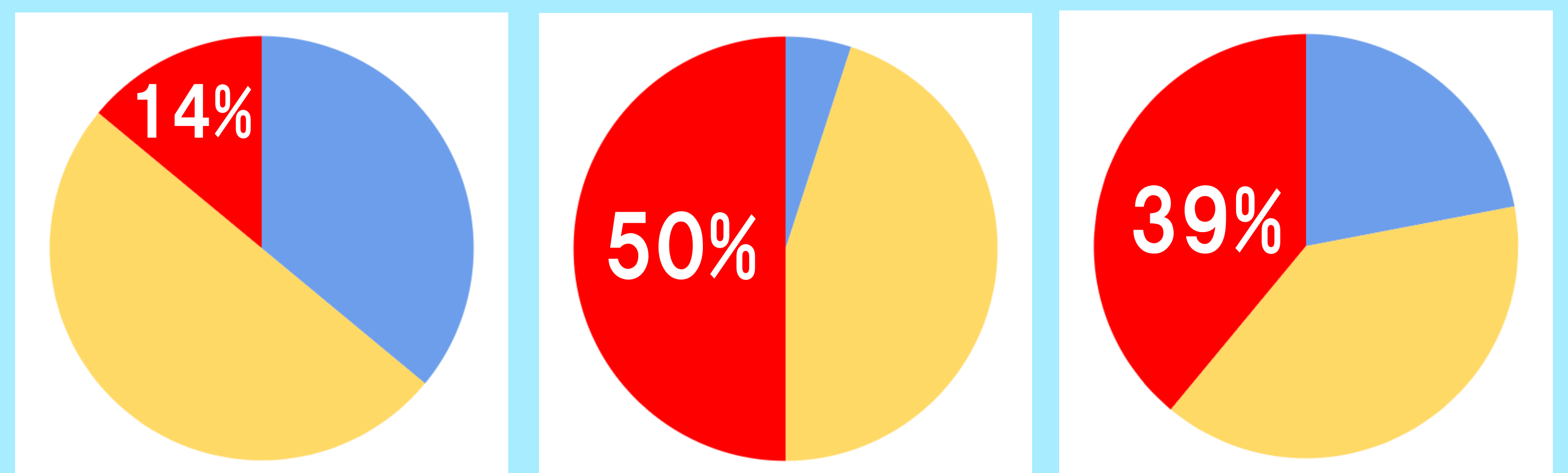
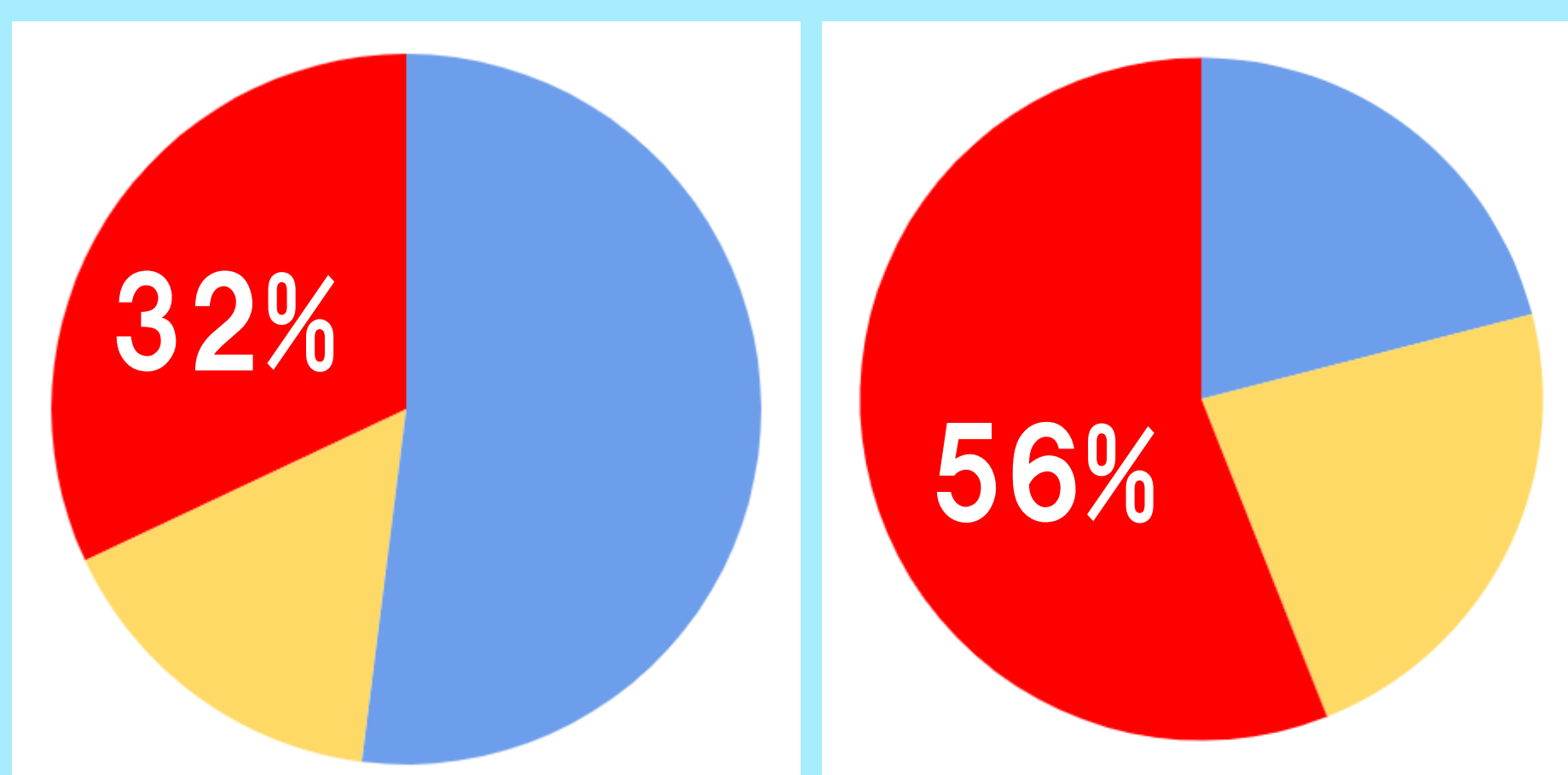
### Events for children

#### ① Experiment at our school

1. Invent and creating of a trick trash can
2. Put a regular trash can for a week
3. Put a trick trash can for a week
4. Compare and analyze data

#### ② Experiment at Hirano city hall

1. Put a regular trash can for 4 days
2. Put a trick trash can for 4 days
3. Put a trick trash can with pictures of the event for 4 days
4. Compare and analyze data



#### ③ Events for children

1. Play with paper theater about separation of pet bottles and toys made from PET bottles
2. Crafts using pet bottle

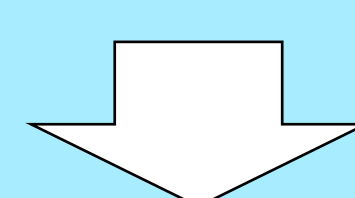


## Conclusion

1. Trick trash can could encourage people to separate PET bottles.
2. Events could educate children about the importance of separating PET bottles.

## Future goal

Popularize the trick trash can



Get everyone who uses trash cans to separate PET bottles.

## Reference

<https://www.petbottle-rec.gr.jp/>  
PETボトルリサイクル推進協議会