Disaster Prevention Learning in elementary school after the Great East Japan Earthquake

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### 2019.7.23 Koya Elementary School,

Watari town



### Lesson

learnt from the Great East Japan Earthquake and tsunami

### Understand disasters previously

### Prepare for disasters in advance

## No.1 method: Experience



## No.2 method: Education



Eight years ago, the catastrophe occurred in Miyagy

You were 1 years old if you are now a 4<sup>th</sup> grader. You were 2 years old if you are now a 5<sup>th</sup> grader. You were 3 years old if you are now a 6<sup>th</sup> grader.

### You were *O* year old baby if you are now a 3<sup>rd</sup> grader.

### *if you are now a 2<sup>rd</sup> grader. if you are now a 1<sup>rd</sup> grader.*



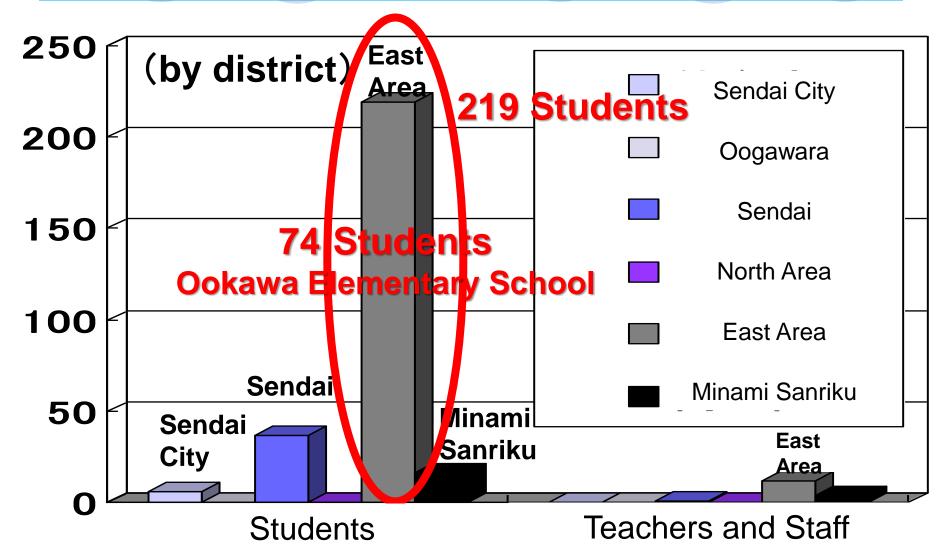
This learning is dedicated to the deceased spirits of 18,430 persons in the Great East Japan Earthquake

## March 11, 2011 2 : 46 pm

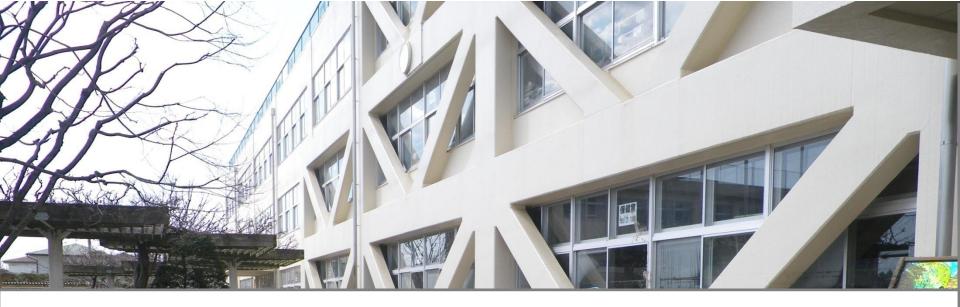
#### Let's find out East of 気仙沼市 札幌 栗原市 本吉郡 南三陸町 登米市 大崎 青森 市 加美町 遠田郡 涌谷町 山形県 加美郡 秋田 盛岡 色麻町 石巻市 Sendai 大街村 牡鹿郡 日本海 大和町 黒川郡 女川囲 大海町 東松島市 富谷町 仙台 佐渡島 新潟 0/ 0 更松島市 塩竈。 太白 tsush 網地島石巻市 長野 柴田郡 宇都宮 若林区 隠岐諸島 富山 前橋。 川崎町 名取市 村田町 柴田町 鳥取 松江 岩沼市 截王町 名古居 大河原町 岡山 百理町 刈田郡 ● 高松 大阪 太平洋 広島 0 大阪 七ヶ宿町 山口人 0 白石市 角田市 ш 高知~德島 松山<sup>o</sup> 聶 宮城県 伊豆諸島 伊具郡 MIYAGI 丸素町 福島県 (C) Mapion • 宮崎

### Overview of the Impact of the Great East Japan Earthquake on Miyagi Education

(presented by Miyagi Pref. Educational Committee)







### The school had protected us from the big earthquakes.

It finished resistance construction in 2010.

#### But, it couldn't beat Tsumami





## Question 1



# How fast is Tsunami?

## It's like as fast as an Olympic runner is.

## truns 100 meters in 10 seconds.

It's equivaler to Asuka Cambridge record.

### And one more

## Question (2)

### To sweep away people, how high should the tsunami be?

And one more

## **F30 cm scale**

### is Its height.



## **F30 cm scale**

## Let's see how high it is.

## Think about the swimming pool in our school **X** waterwall





### (Mathematics for the 2<sup>nd</sup> grader)



## How high was **Tsunami that** rushed into us?

#### 2011・3・11 東日本大雲災 <sub>津波浸水深 ここまで</sub> 1.9m





### (Proof) above the floor: 1 m 30 cm under the floor: (The base of school)





## Foundation (Base)

## Tsunami comes again acalhoroz



### (Science for the 5<sup>th</sup> grader)



### Which part of the riverbank can be affected by a tsunami ?

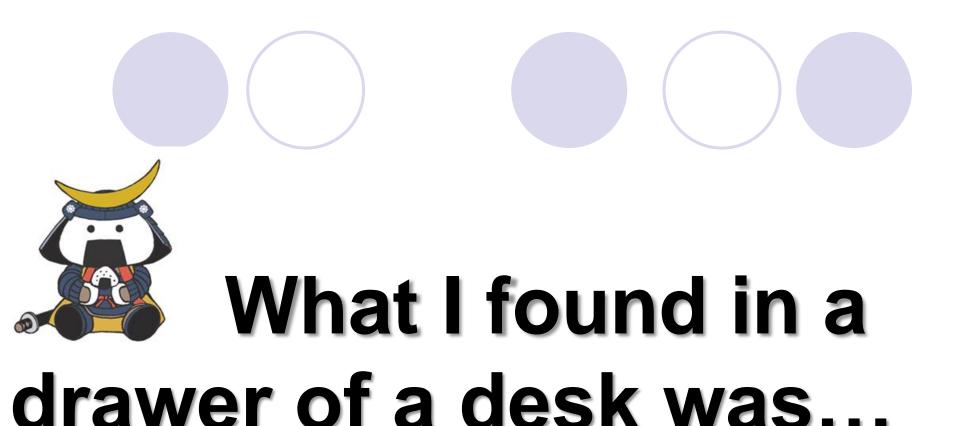


### Even in the area located 3 km away from the coast, the houses were flooded by tsunami above floor level.

## **Teachers' room was...**









## The shrimp has gone to heaven.





### I lost a lot of stuff for my work

**Brand-new car** 

**Digital camera** 

3,500,000 yen < 9,800 yen



## **Question**(6) (Mathematics for the 3<sup>rd</sup> graders)

## The following description looks wrong. Guess what I want to say?

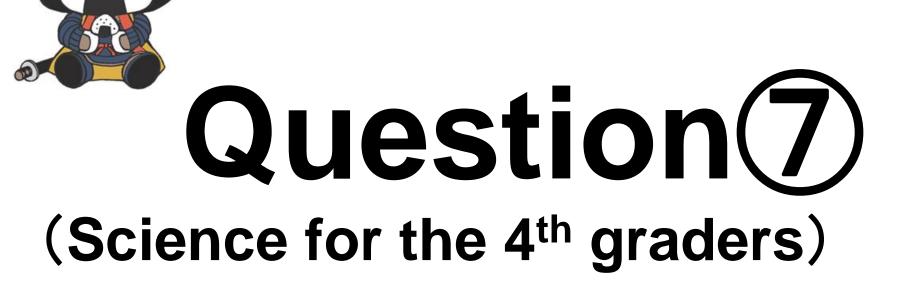
Brand-new car

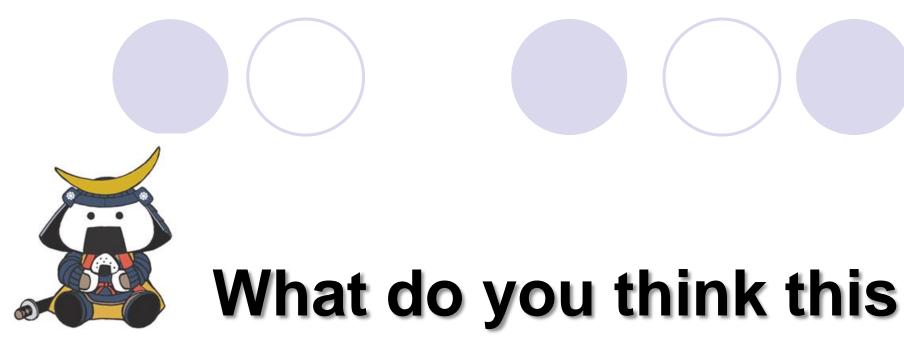
**Digital camera** 

3,500,000 yen < 9,800 yen



 I am going to talk about what you remember the most about the March 11<sup>th</sup> disaster.





### equipment was used for?

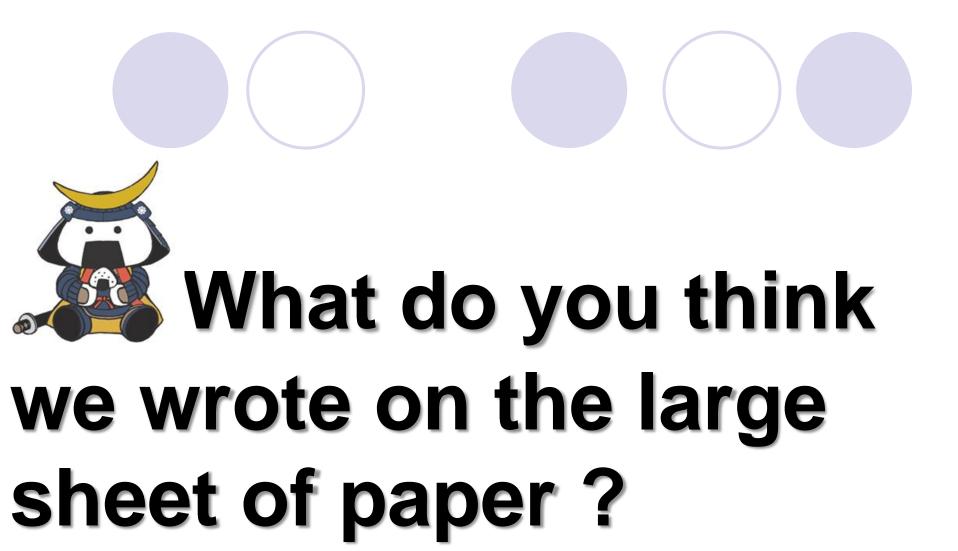
## Equipment usually used in experiments

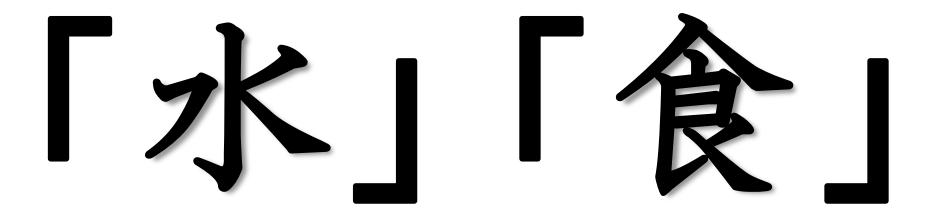
# Very useful for babies





## **Question(8)** (Health Education for the 3<sup>rd</sup> graders)





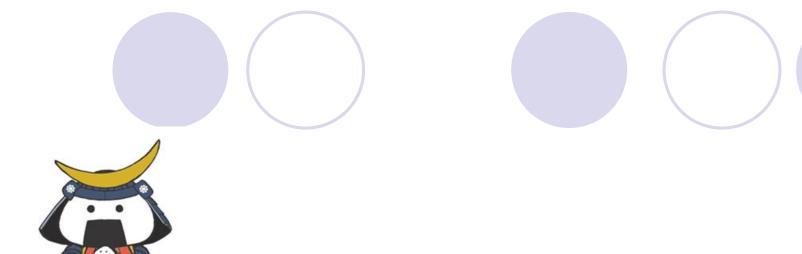
### We wrote

## "Water" "Food"

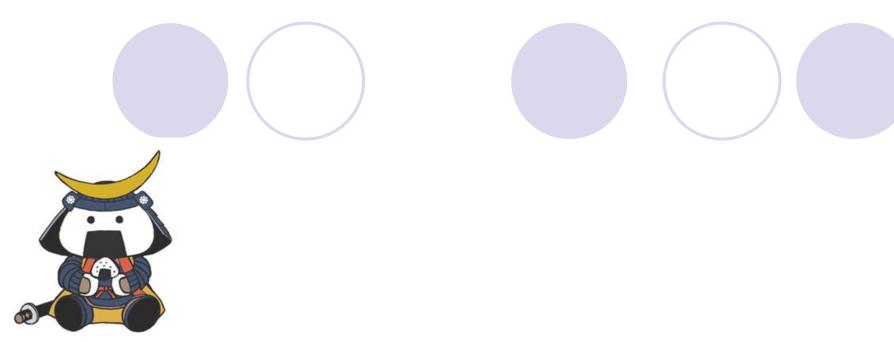
in large letters with a calligraphy brush

## Food and other relief supplies finally arrived at the school.

## After 2 days without food, what we first ate was...



## **Question(9)** (Mathematics for the 6<sup>th</sup> graders)



## How much bread do you think we could receive ?

First supplies delivered on the 3<sup>rd</sup> day

## 19 loaves of bread (145 slices) 870 evacuees

## First supplies delivered on the 3<sup>rd</sup> day Bread Evacuees

## <u>145</u> ÷ <u>870</u>

(How much can each person eat ?)

## First supplies delivered on the 3<sup>rd</sup> day Bread Evacuees

## **1 6 -**

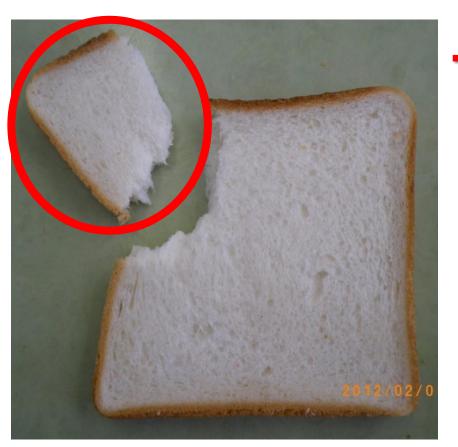
(How much can each person eat?)

## First supplies delivered on the 3<sup>rd</sup> day Bread Evacuees





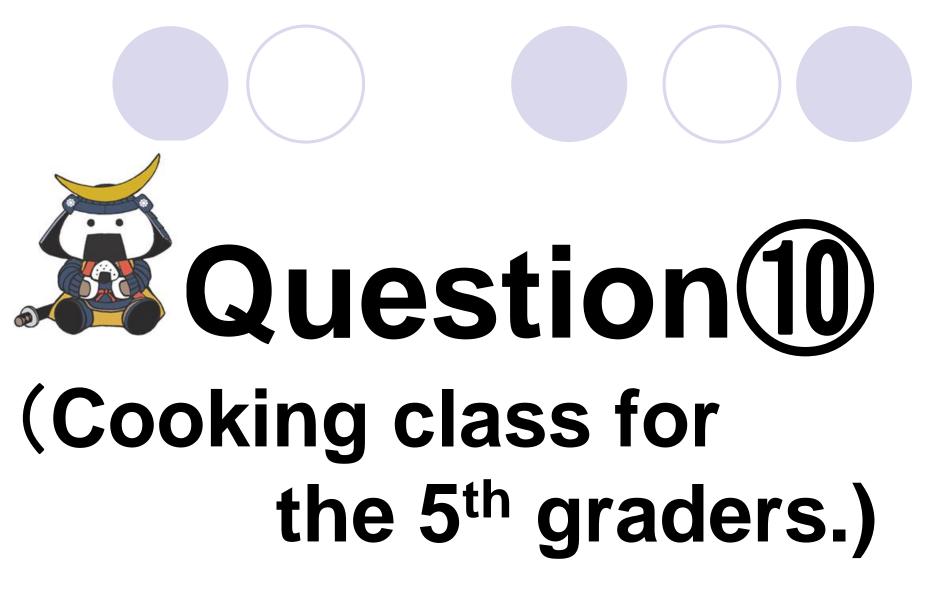
#### First supplies delivered on the 3<sup>rd</sup> day



This is the amount one person could eat each day.

### Supplies delivered ••• the 7<sup>th</sup> day

## This kind of stuff arrived.





## How and what were we able to cook ?



School Kitchen on the 1<sup>st</sup> floor was inundated

## Spring water+Eggs+Heat

**Boiled eggs Boiled eggs** 

Bananas Bananas Bananas Bananas Bananas Bananas Bananas Bananas Bananas Bananas



# Bicycles were very useful.



## **Question**(1) (Science for the 6<sup>th</sup> graders.)



## Why did bicycles rust?



# Question Image: Constant of the second s



## **2**were washed with water







# Because the roads inundated by tsunami are full of

## **Because the roads** inundated by tsunami are full of saline matter.

## Salt causes plants to die and the iron to rust.



## However,



#### Memories of the disaster (Aug. 25)



## grasses flowers bugs

#### These tiny things made us happy.

## **Me thank** all the people of the nation and the world

## We discarded



# We washed



# We received



# From all the nation, all the world, We received huge amount of relief supply

## We received also from Kumamoto pref..... Thanks a lot! It made us smile!





## When you have anxiety or confusion in your mind



# Talk Release Leave



## \* Say it aloud



## (Health education for 5<sup>th</sup> and 6<sup>th</sup> graders.)

## Your feelings such as "It's so painful." "I'm sad." "I'm having a hard time."



## If you cannot tell those feelings to anyone,

## How can you express your feelings and share them with others?



#### [Mask for warding offthe evil]

23

012/01

### ~Not only in the disaster~

## When you have anxiety or confusion in your mind

### ~Please remember this~



#### To elemental school students

## When you overcame something sad or when you did the hard work,



#### To elemental school students

## Strong mind, mental fortitude and kindness grow



# Ve will continue to do our best in Miyagi,

## Hung in there, kids in Kumamoto!



# That's all for today.

**Disaster Prevention Learning** in elementary school after the Great East Japan Earthquake talk. Thank you very much for your kind attention. Kiyoshi ARAAKE Koya Elementary School, Watari town