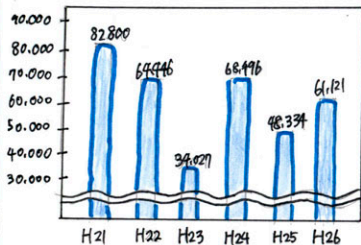
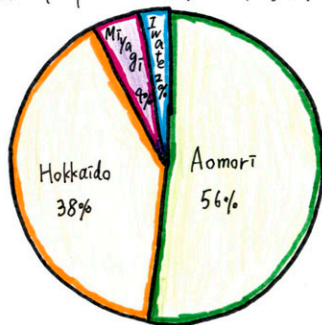


Mutsu gulf's graph



Scallop production quantity graph



The Evolution of Aomori's Scallop

Hirosaki Minami High School

12HR group 5



o Motive

Aomori's scallop industry makes an effect to develop the way of cultivation in a training institute.

o Findings

「About Toyoushima Toyotaro」

From Hiranaï town

- He is the first person to develop scallop farming.
- He changed from fishing scallops to cultivating scallops.
- He thought of spat bags
- He has been involved in fishing for 24 years.

「Scallop farming ideas」

(I) Hang Ear

Drill holes in scallop's shells and hang them by strings or pins,



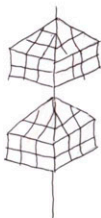
(II) Spat bag

Put scallops into hanging baskets that are made of synthetic rope,



(III) Pearl net

Put collected baby shells into pearl nets and grow them,



(iv) Tonaedevise

Natural scallop's larvae stick on tonaedevise meshes and are farming,



- Scallop were grown these ways. They are more safe than natural ways because they don't have sand.

o Problems

- streaming of distribution.
- Promotion for out of prefecture
- Parent's shell's maturity survey
- Need to extended scale for improved efficiency of natural seeding extraction,