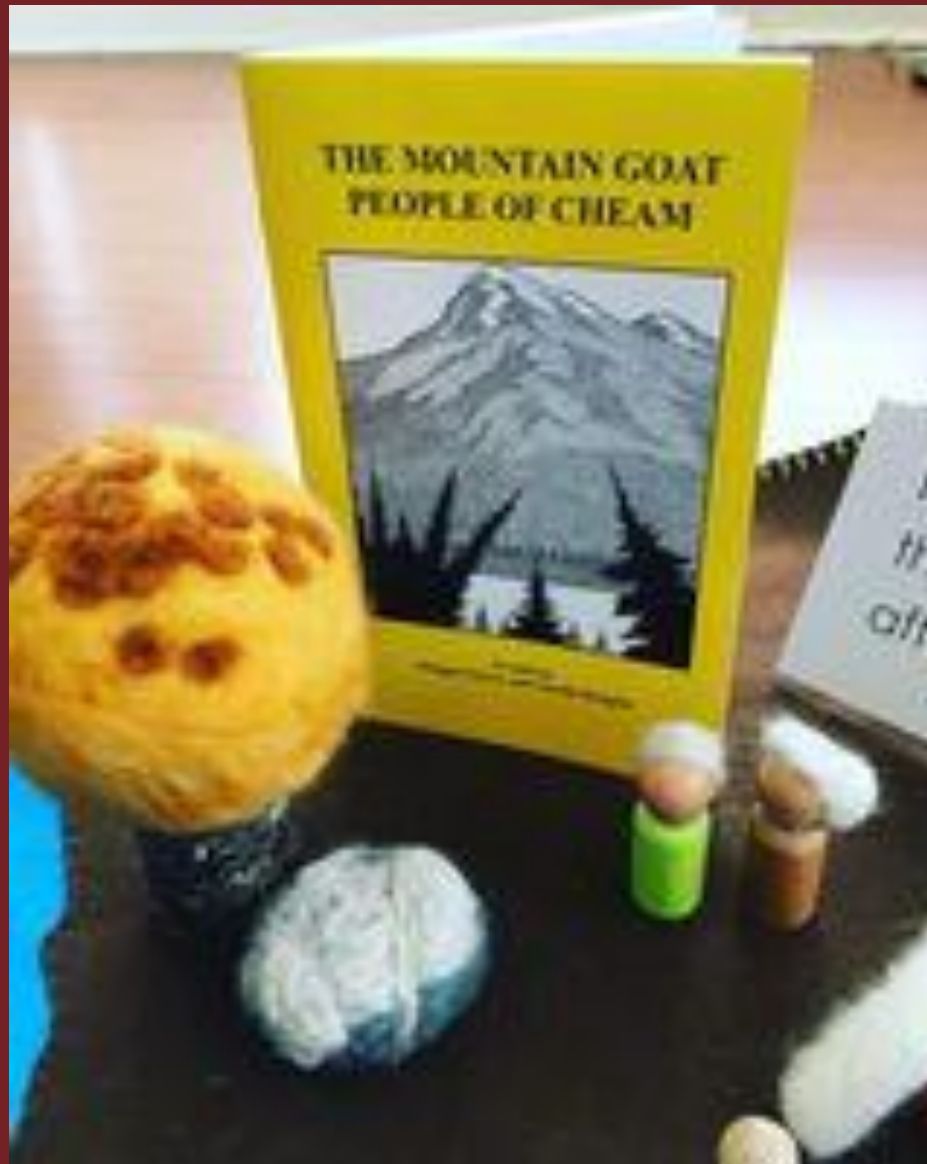




# SURREY SCHOOLS OPENING THE BASKET STO:LO SITEL CURRICULUM

*Jessica Kyle – Numeracy Helping Teacher*  
*Julia Thompson – Métis Artist and Educator*  
*Allison Hotti – Indigenous Helping Teacher*







Downloaded from  
<https://indigenous.mathnetwork.educ.ubc.ca>



Created by Jessica Kyle, Julia Thompson, and Allison Hotti

# TRANSFORMING



# FIREPIT







# UNWRAPPING OUR KITS IT FELT LIKE CHRISTMAS



Do you see a connection  
between identity and  
belonging?

Describe your place in  
your family, community or  
school.

Were you able to listen to  
ideas other than your  
own?

Describe your own  
relationship to place.

Where is your heart  
happiest?

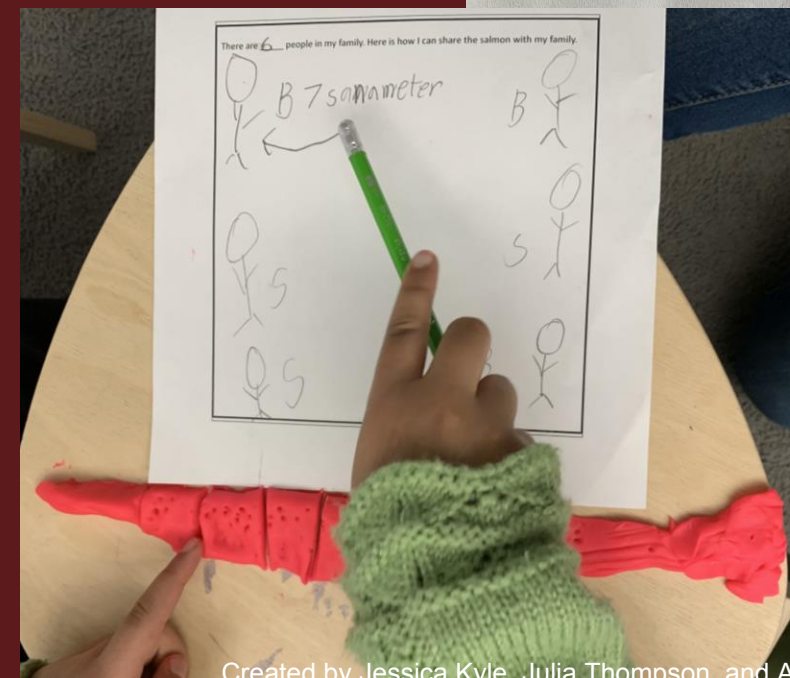
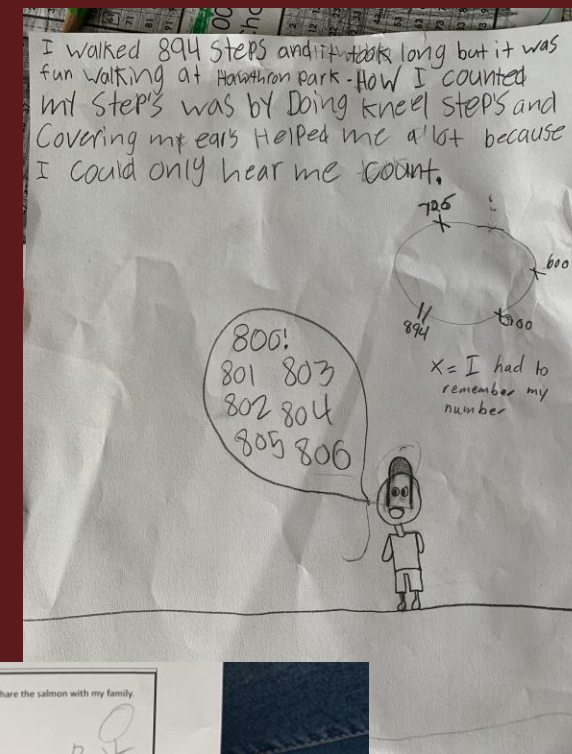
Were all of the voices in  
your group heard?

# INQUIRY QUESTIONS

# MATH CONNECTIONS



Downloaded from  
<https://indigenous.mathnetwork.educ.ubc.ca>



Created by Jessica Kyle, Julia Thompson, and Allison Hotti



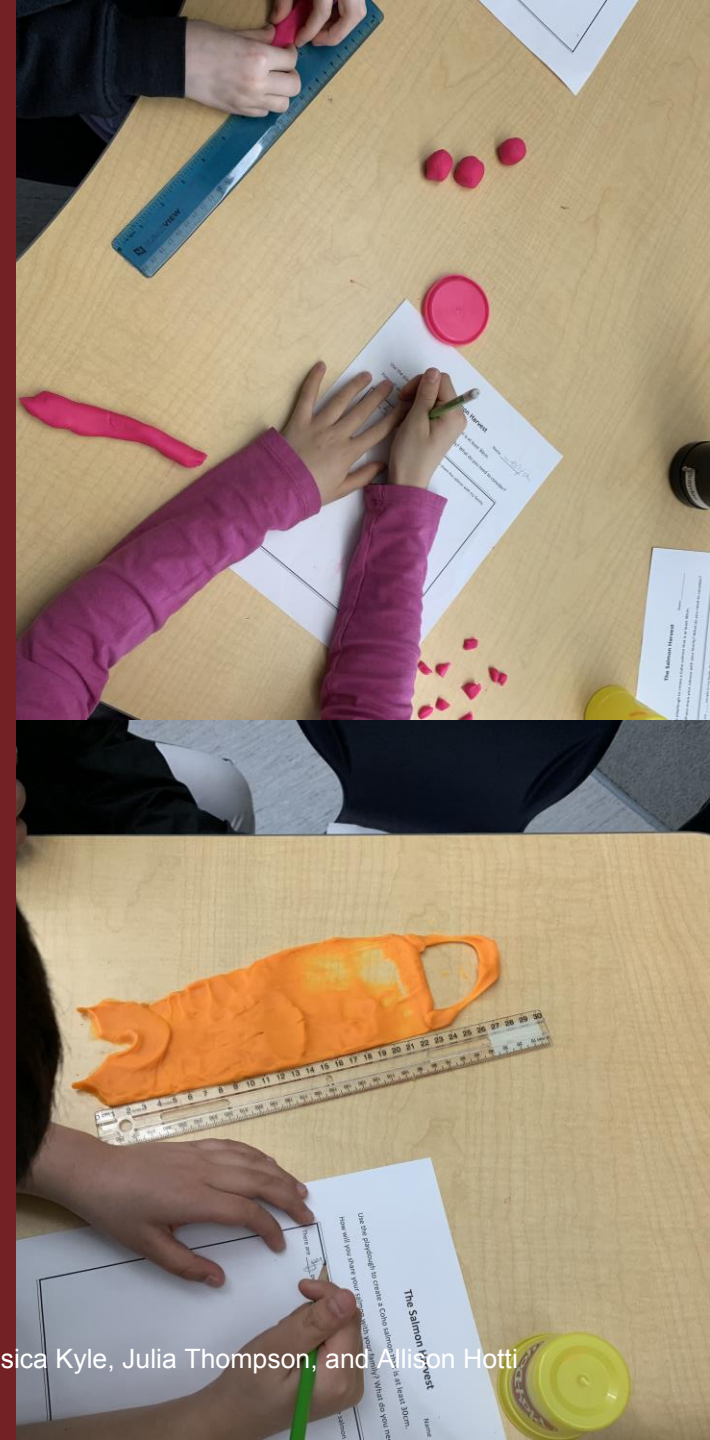
# THE SALMON HARVEST LORA SARCHET (GR.1/2)

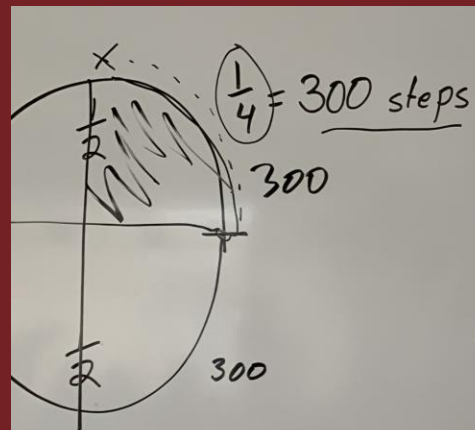


EACH FAMILY HAS RECEIVED THEIR FISH  
FROM THE COMMUNITY NET.

## HOW WILL YOUR FISH BE DIVIDED?

- MEASUREMENT (CONTENT)
- PROBLEM SOLVING (MATHEMATICAL COMPETENCIES):
  - DECISION-MAKING
  - REASONING
  - COMMUNICATION
  - JUSTIFICATION
  - SEMIAHMOO & STO:LO PROTOCOLS





$$300 + 300 + 300 + 300 = 1200$$

$$\begin{array}{r} \times 300 \\ 4 \\ \hline 1200 \end{array}$$

I counted 300 steps  
in  $\frac{1}{4}$  of the trail. I walked how  
the other  $\frac{3}{4}$   
rest of the trail. I knew that  
I walked 1200 steps because there  
are 4  $\frac{1}{4}$ s in a whole.



quarter  
 $\frac{1}{4}$



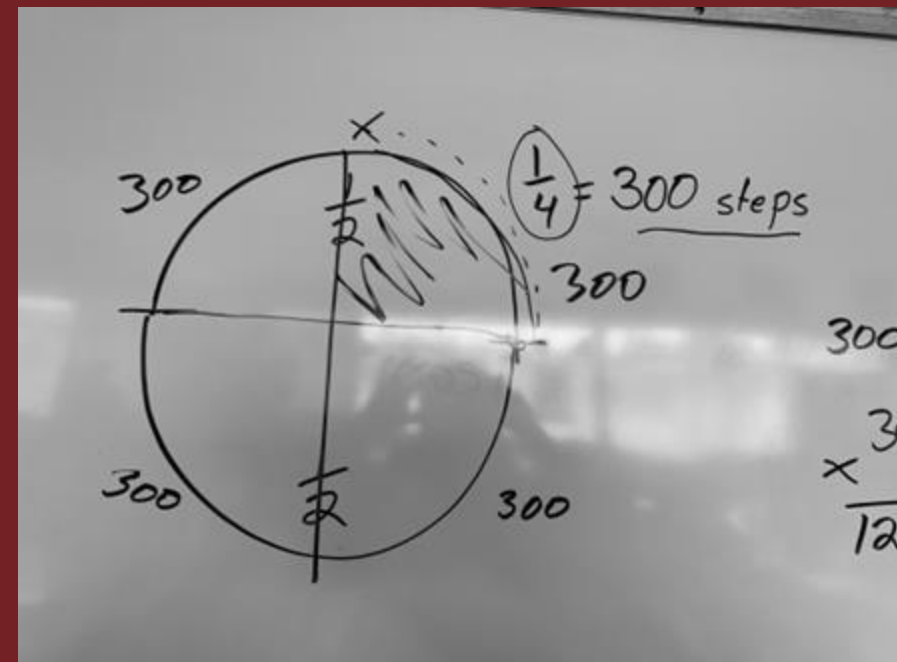
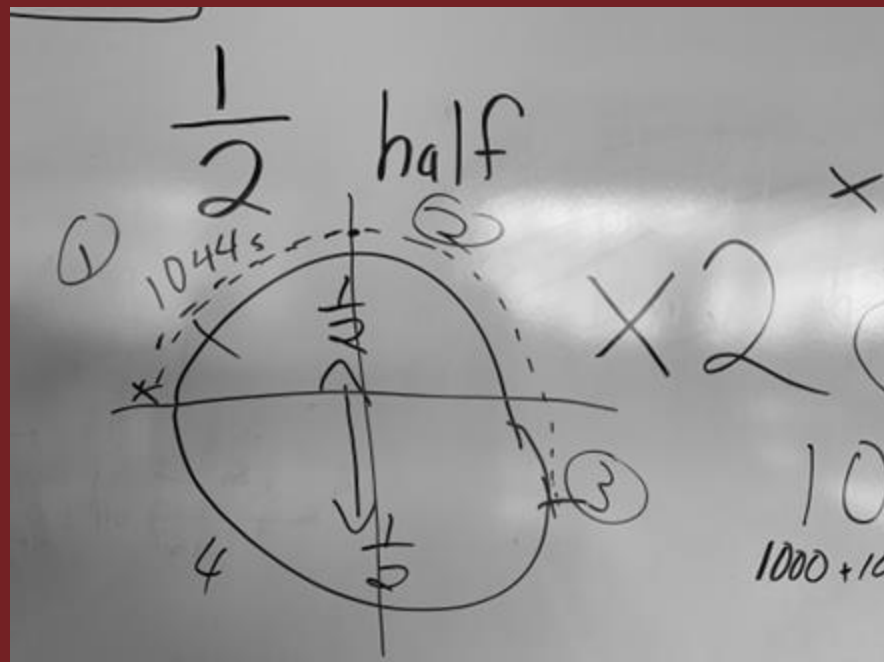
Downloaded from  
<https://indigenous.mathnetwork.educ.ubc.ca>

# MAPPING & MEASURING

## SHELLI ROESLER

### GR. 3/4

Created by Jessica Kyle, Julia Thompson, and Allison Hotti



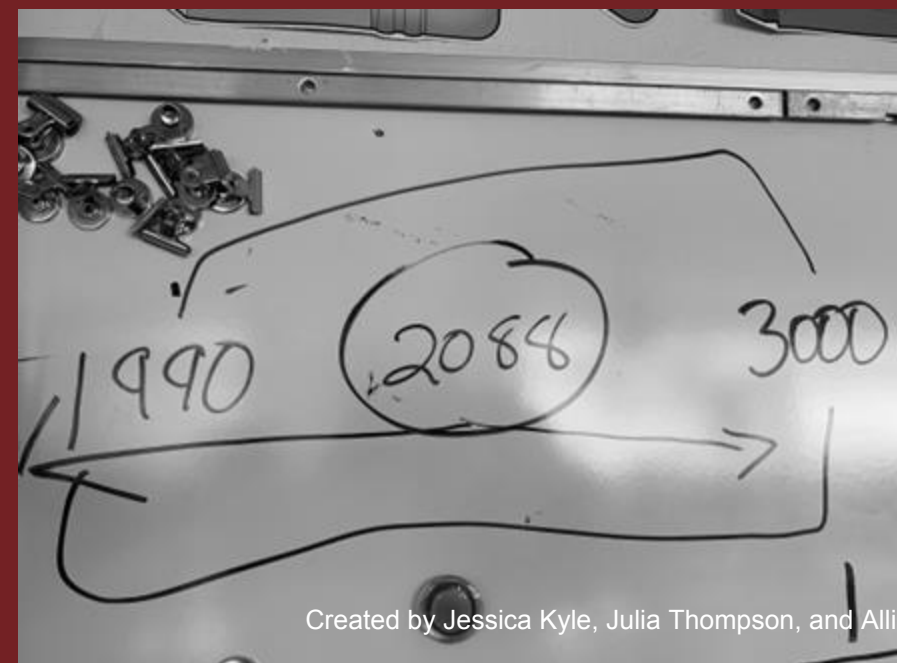
300 + 300 + 300 + 300 = 1200

$\times \frac{300}{4}$   
1200

I counted 300 steps  
in  $\frac{1}{4}$  of the trail. I walked  
the other  $\frac{3}{4}$   
rest of the trail. I knew that  
I walked 1200 steps because there  
are 4  $\frac{1}{4}$ s in a whole.

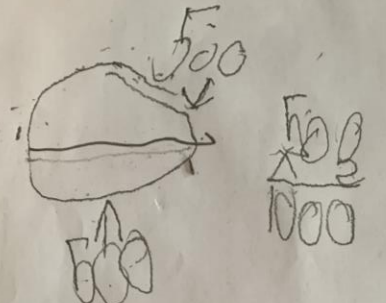
Trail

how many



# WHAT MATH STORIES LIVE HERE?


- COUNTING
- ESTIMATION
- FRACTIONS
- COMPUTATION
- RELATIONSHIPS
- REPRESENTATION



I wake 500 in the morning. I wake 500 in the afternoon. because  $500 + 500 = 1000$ .

$500 + 500 = 1000$

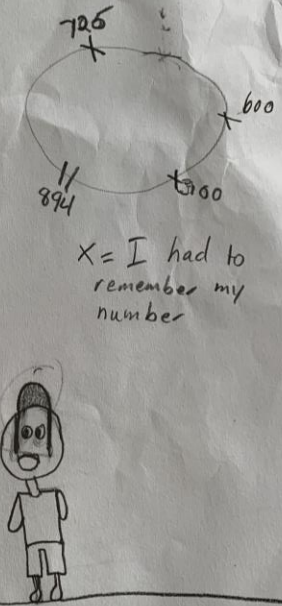
walked 750 steps



Someone was counting loudly I lost my count. A friend helped me to remember.

Downloaded from <https://indigenous.mathnetwork.educ.ubc.ca>

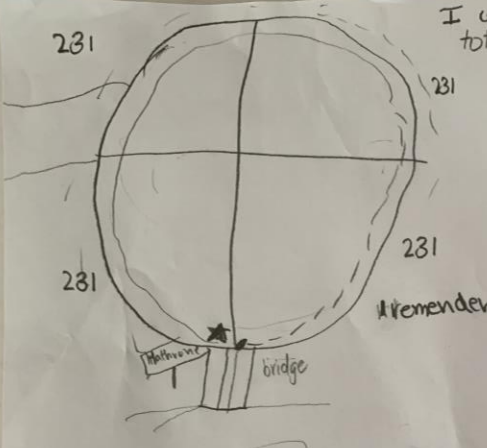
I walked 894 steps and it took long but it was fun walking at Hawthorn park. How I counted my steps was by doing knee steps and covering my ears helped me a lot because I could only hear me count.



800!  
801 803  
802 804  
805 806

X = I had to remember my number

I walked 925 steps total.



231 + 231 + 231 + 231 and the remainder. The total is 925.

Actually I need to multiply 925 with 5 in the place of four.

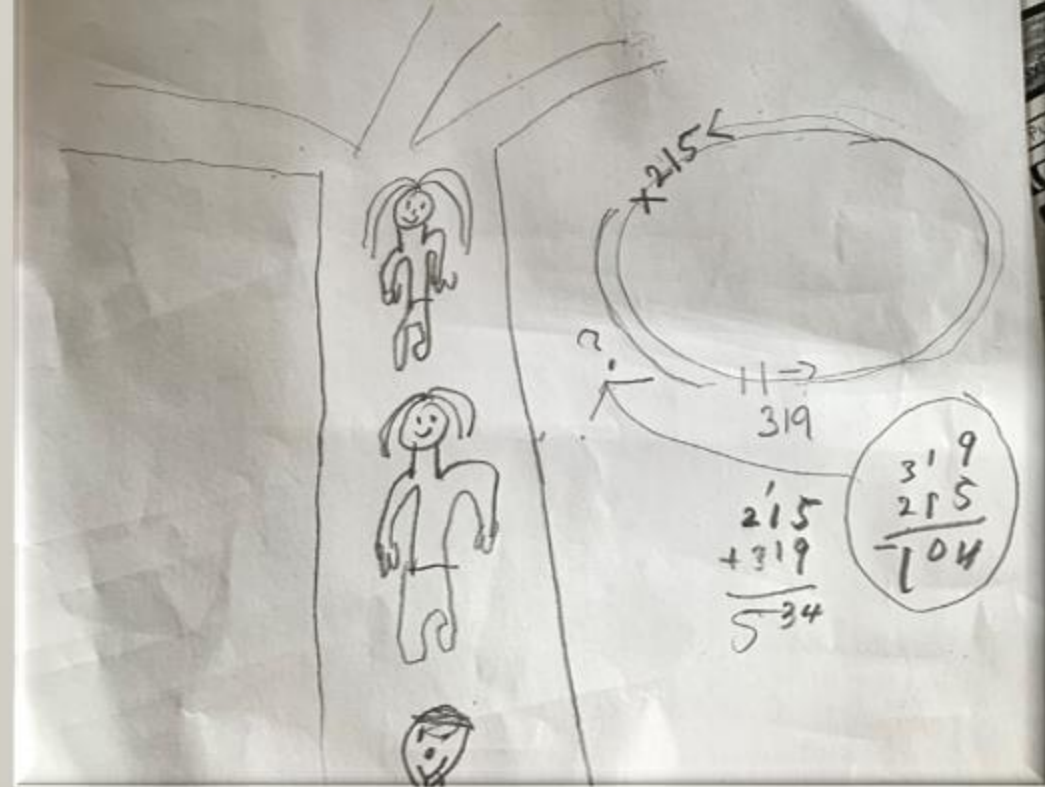
$925 \times 4 = 3700$

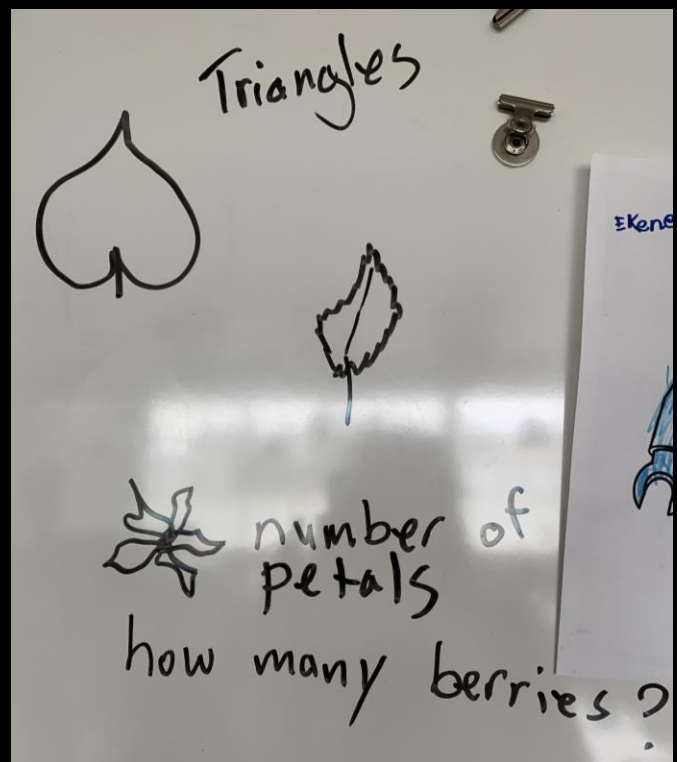
Created by Jessica Kyle, Julia Thompson, and Allison Hotti

We started eating the I stopped and I saw a squirrel. Then, I counted 215 the we went left and heard birds left then, we saw our class. I reviewed my counting and it was... 319. Then, I released the Hawthorne Part went around it.



We started eating the I stopped and I saw a squirrel. Then, I counted 215 the we went left and heard birds left then, we saw our class. I reviewed my counting and it was... 319. Then, I released the Hawthorne Part went around it.





# INDIGENOUS STORYWORK

---

How the Coho  
got his Hooked  
Nose.

Based on story told by Teresa Mzhel