TAWOW

Presented by Sharon Meyer NESD FNMI Assisted by Katie White NESD CIA Power Point formatted by Karen Holowka C.R. V.P.

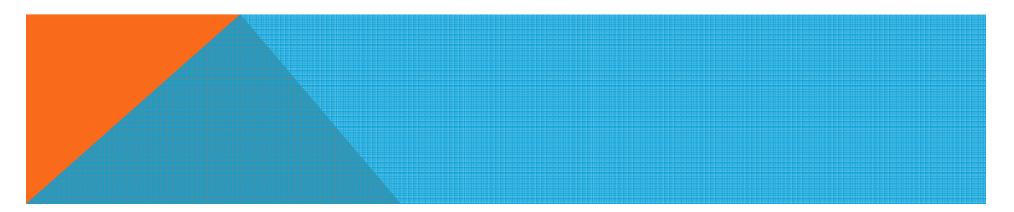


BIG QUESTIONS

• How does worldview impact our understanding of math?

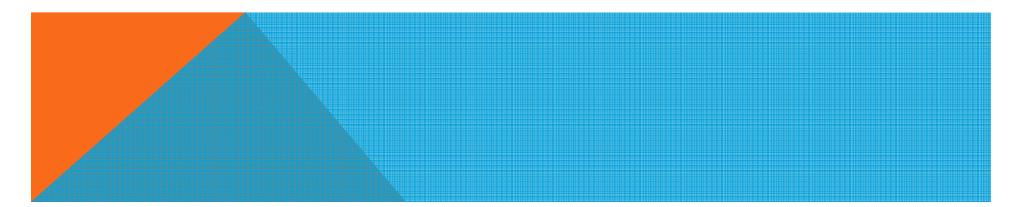


- How does our use and understanding of math reflect our worldview?
- How can FNMI worldviews build understanding of mathematics concepts for everyone?



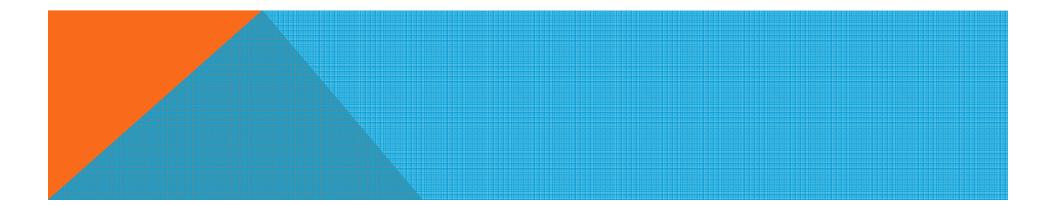
AGENDA

9:00 - 9:20	Group brainstorm
9:20 - 10:15	Historical reflections (Pre-contact)
10:15 - 10:30	Wellness break
10:30 - 12:00	Medicine Wheel Connection (Games)
12:00 - 12:45	Lunch
12:45 - 1:45	Contemporary FNMI Math
1:45 - 2:00	Wellness break
2:00 - 2:45	Individual exploration time
2:45 - 3:00	Reflection and Feedback



GROUP BRAINSTORM

What materials were available to First Nations and Inuit people pre-contact?



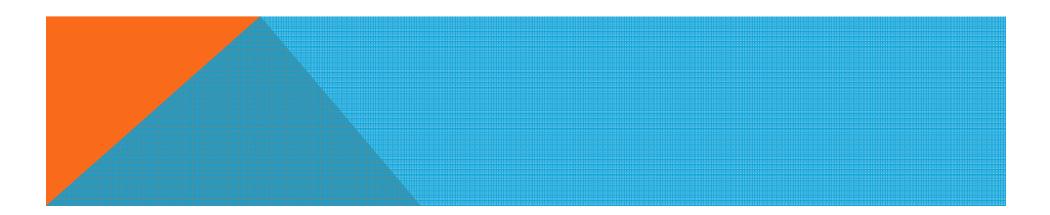
EARLY CONTACT





POSSIBLE RESPONSES

- Rocks
 Antlers
 Shells
- Sticks
 Bones
 Sinew
- Leaves Clay Bark
- Feathers Plant dye
- Hides Berries





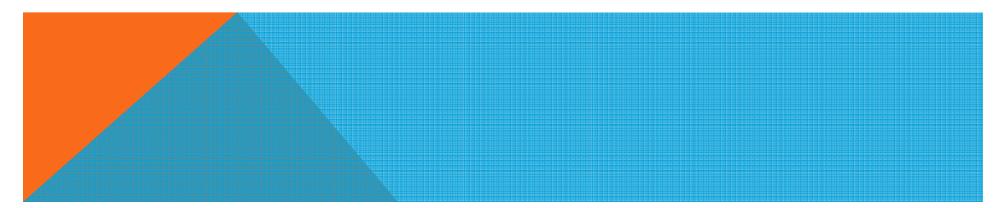
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Ethnomathematics – relationship between mathematics and cultural anthropology. It is used to translate earlier forms of thinking into modern-day understandings

ROCK PAINTINGS





ROCK PAINTINGS

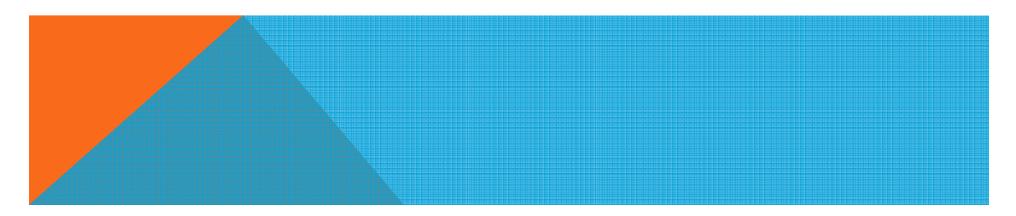










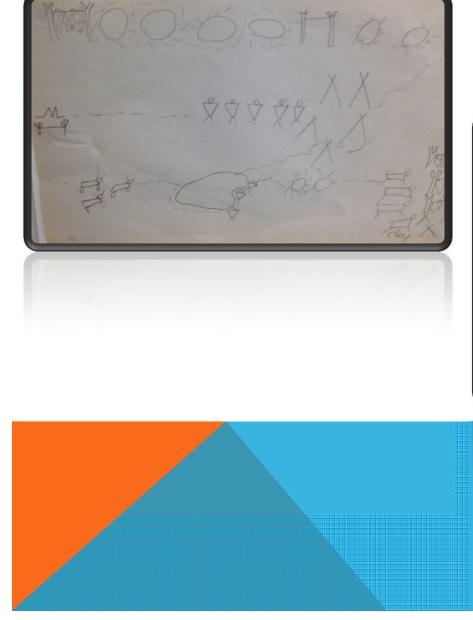


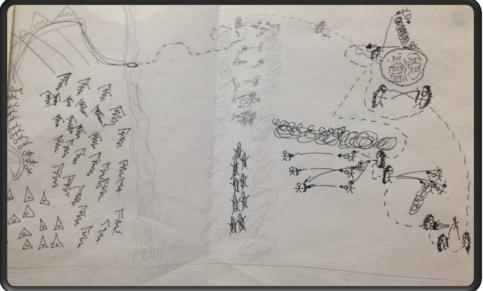
ROBE PAINTINGS



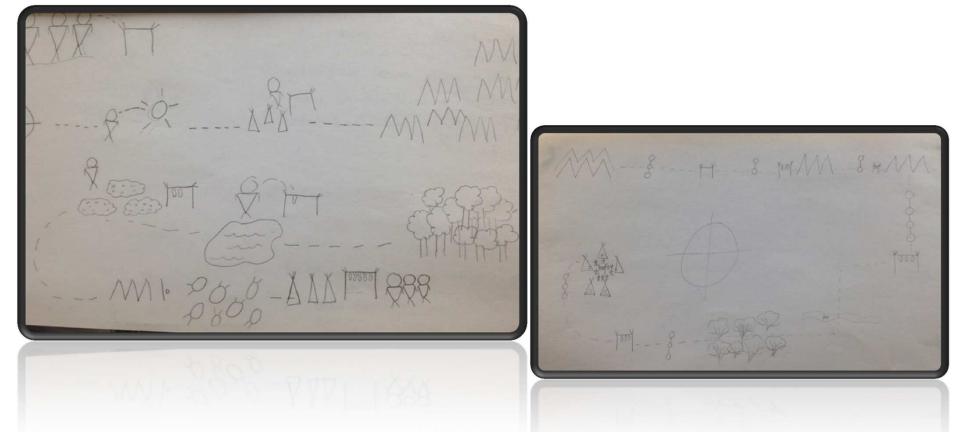


ROBE PAINTINGS/HIDE STORIES





ROBE PAINTINGS/ HIDE STORIES





PARFLECHE

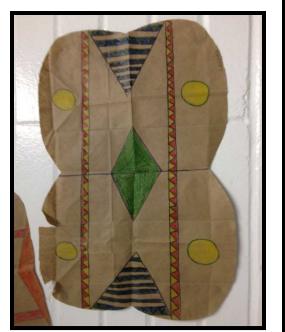








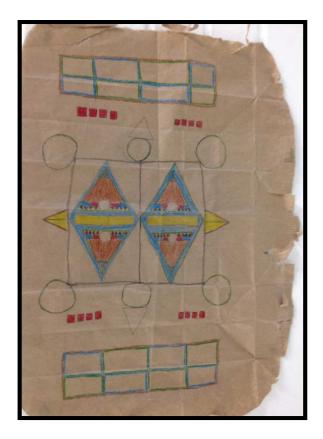
PARFLECHE

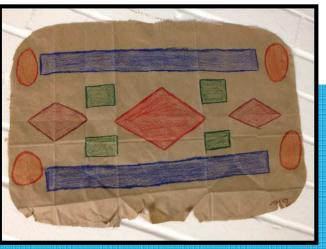




N6.9 How First Nations and Metis people (past and present), envision,

represent, and use quantity in their lifestyle and world view.









CLOTHING

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Hand Ger



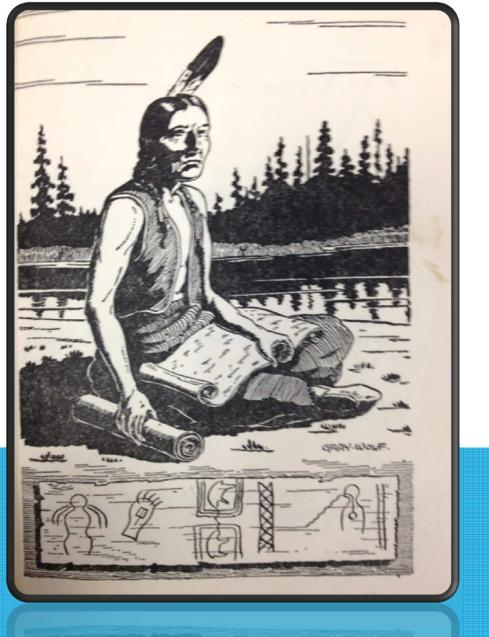


BIRCH BARK BITING







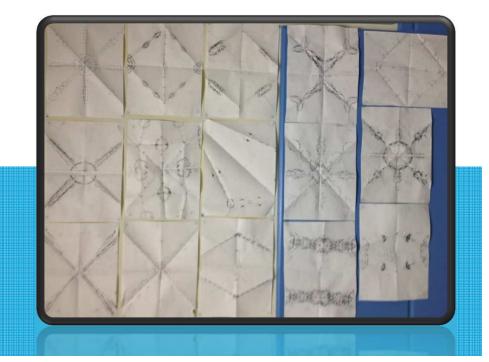


BIRCH BARK BITING















- Game name
- Game materials
- Game players
- Game rules
- How is game won?

GAMES





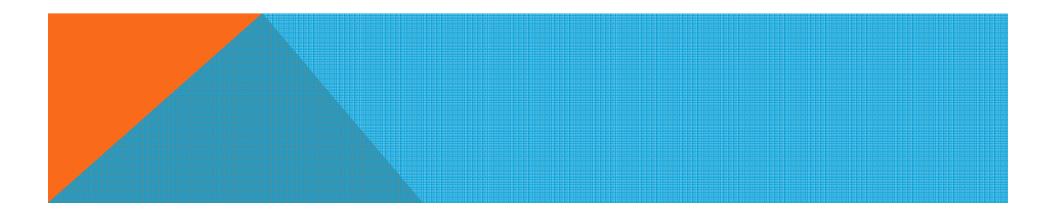






STICK-DICE VARIATIONS (PAIR ACTIVITY)

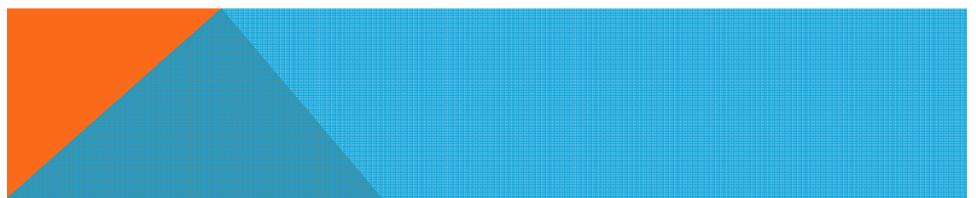
- Each pair uses their instructions for a Stick-Dice game.
- Each pair prepares the necessary materials.
- Practice the game.
- Present the game (Jigsaw)
- Make connections to our math curriculum





GAMES WITHIN THE MEDICINE WHEEL

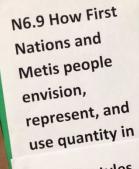
- Review the four strands in math as related to the medicine wheel (Numbers, Patterns, Statistics and Probability, Shape and Space)
- Get into pairs (will be provided with a game)
- Play the game
- Decide which stand(s) the game fits and which skills are being practiced
- Share as a whole group





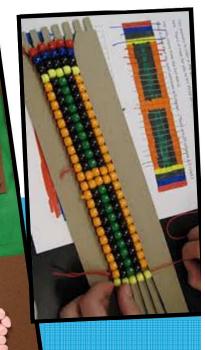
Samples and examples

Vanna



their lifestyles and world

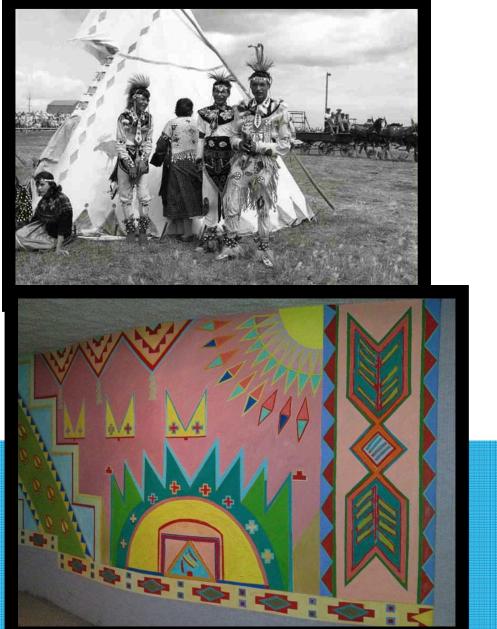
view.



CONTEMPORARY FNMI MATH THEMES





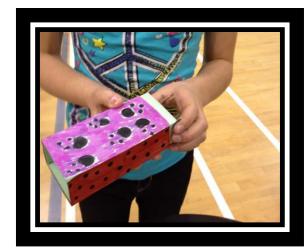


MORE CONTEMPORARY FNMI MATH



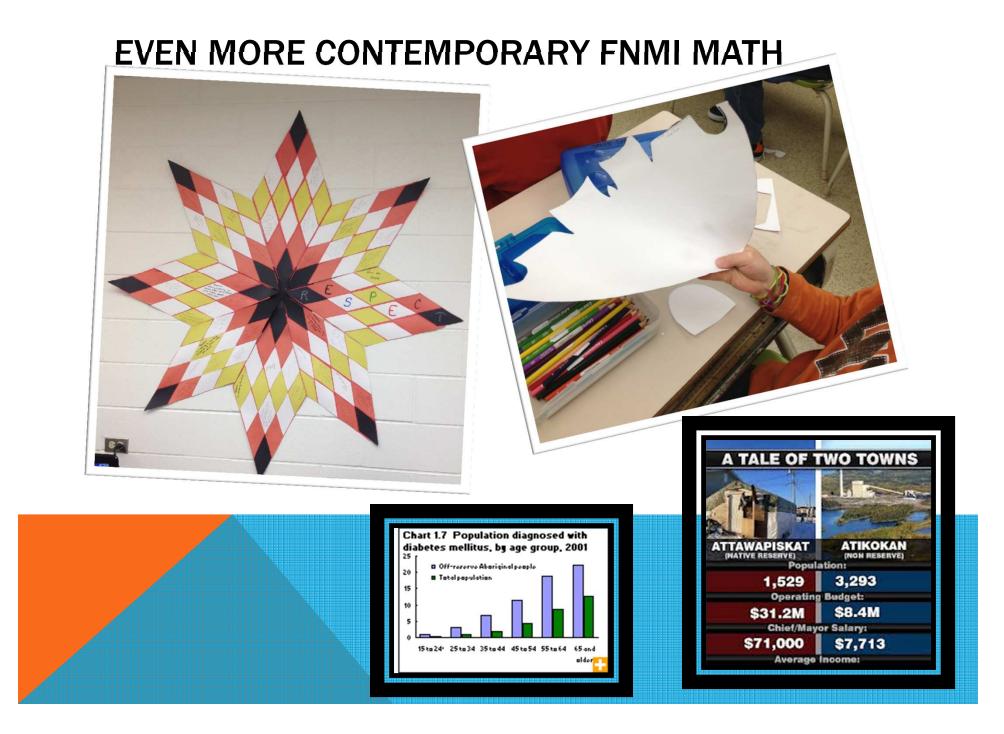
SOME MORE CONTEMPORARY FNMI MATH



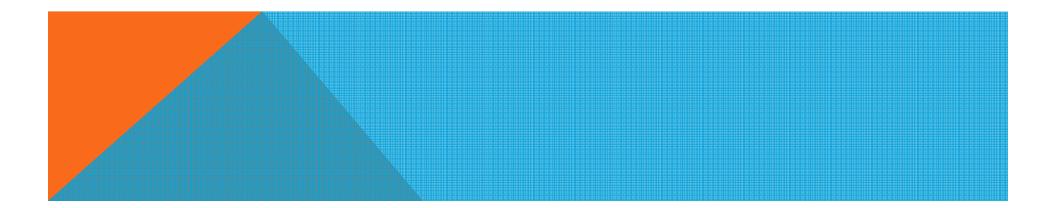








Time to explore and share



FINAL REFLECTION

Two Sticky notes:

Yellow Sticky Note – Comment on what you appreciated from your learning today.

Blue Sticky Note – If there were to be another FNMI Math day what would you recommend to add?

Ekosi!



Time to have reciprocal teachings