



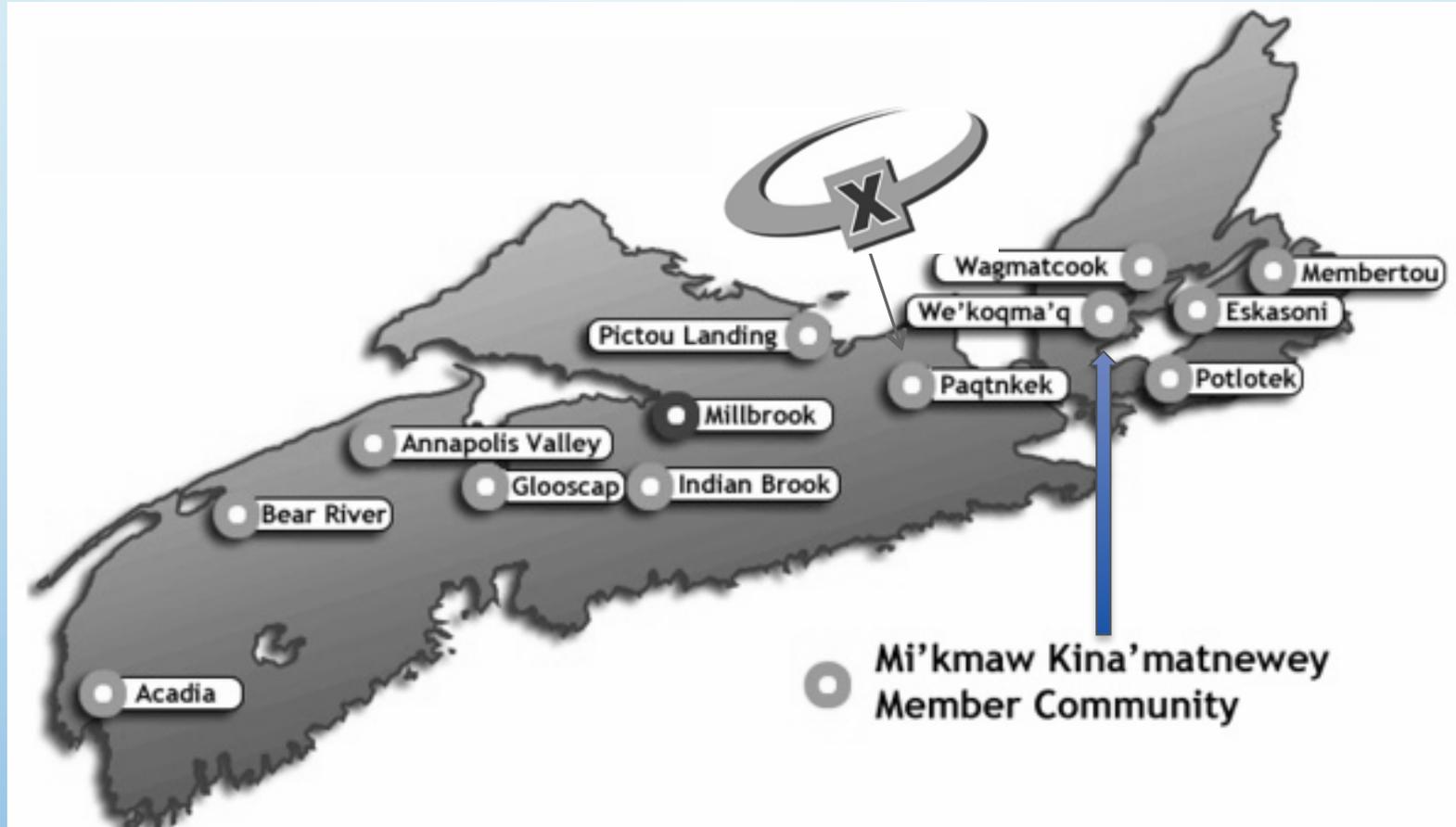
# DECOLONIZING MATHEMATICS

DR. LISA LUNNEY BORDEN

JOHN JEROME PAUL CHAIR FOR EQUITY IN MATH EDUCATION

ST. FRANCIS XAVIER UNIVERSITY

# WE'KOQMA'Q & MI'KMAW KINA'MATNEWWEY



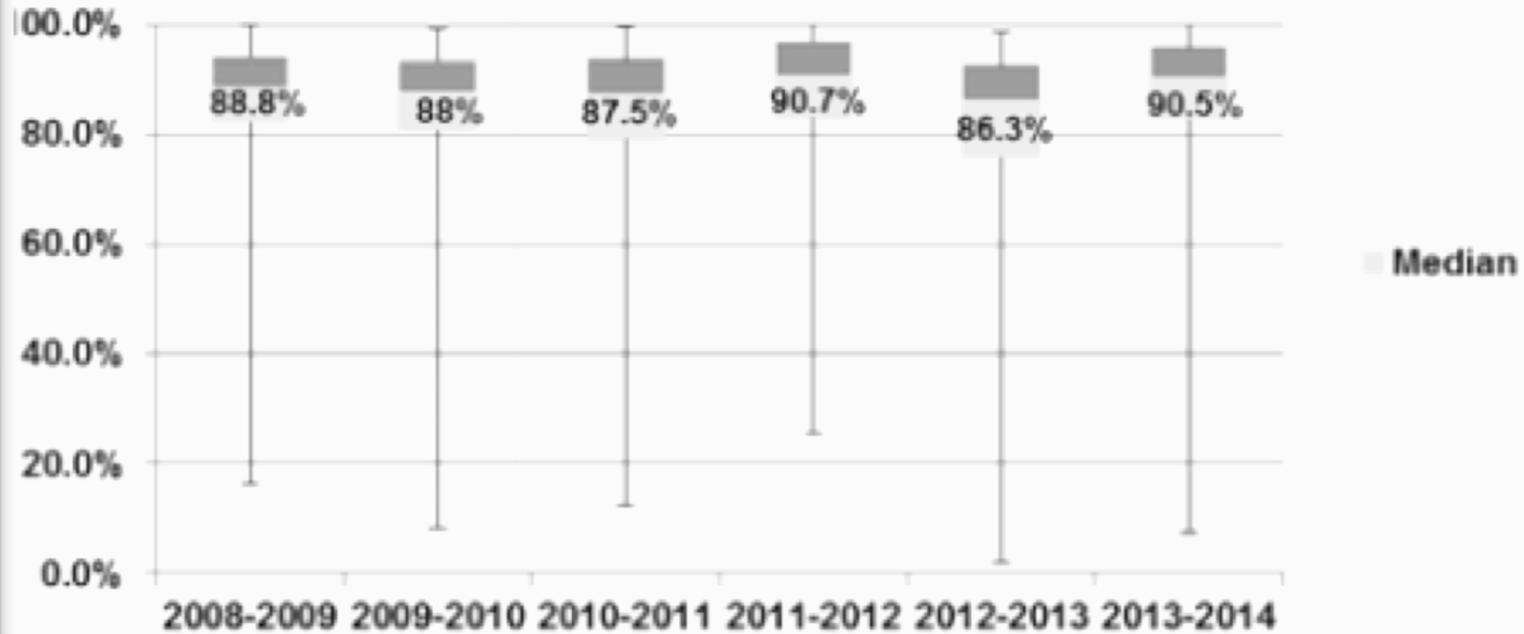


# CROSSING THE SKYE RIVER BRIDGE

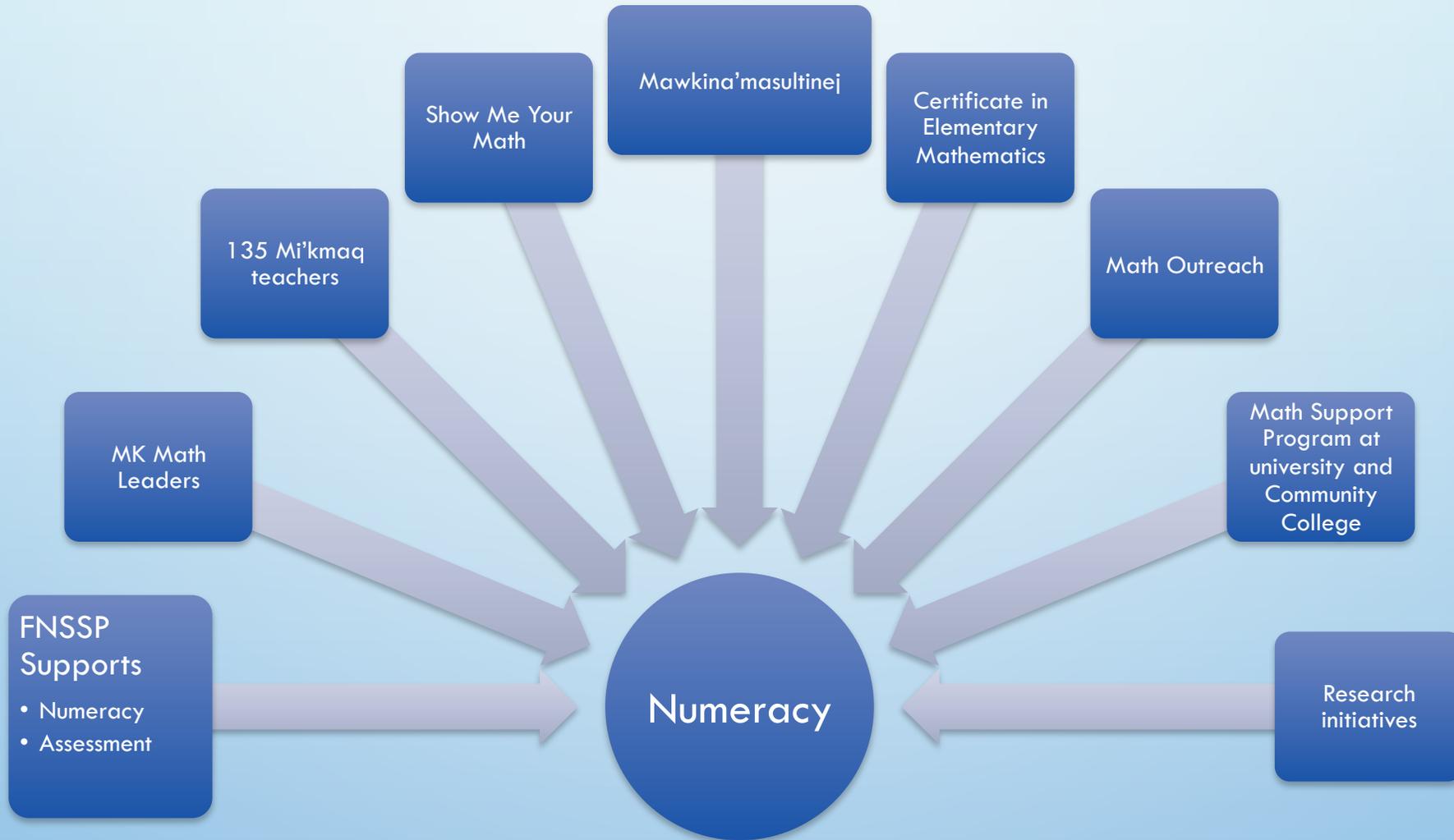


# GRADUATION RATES

## Mikmaw Kina'matnewey Attendance Rates

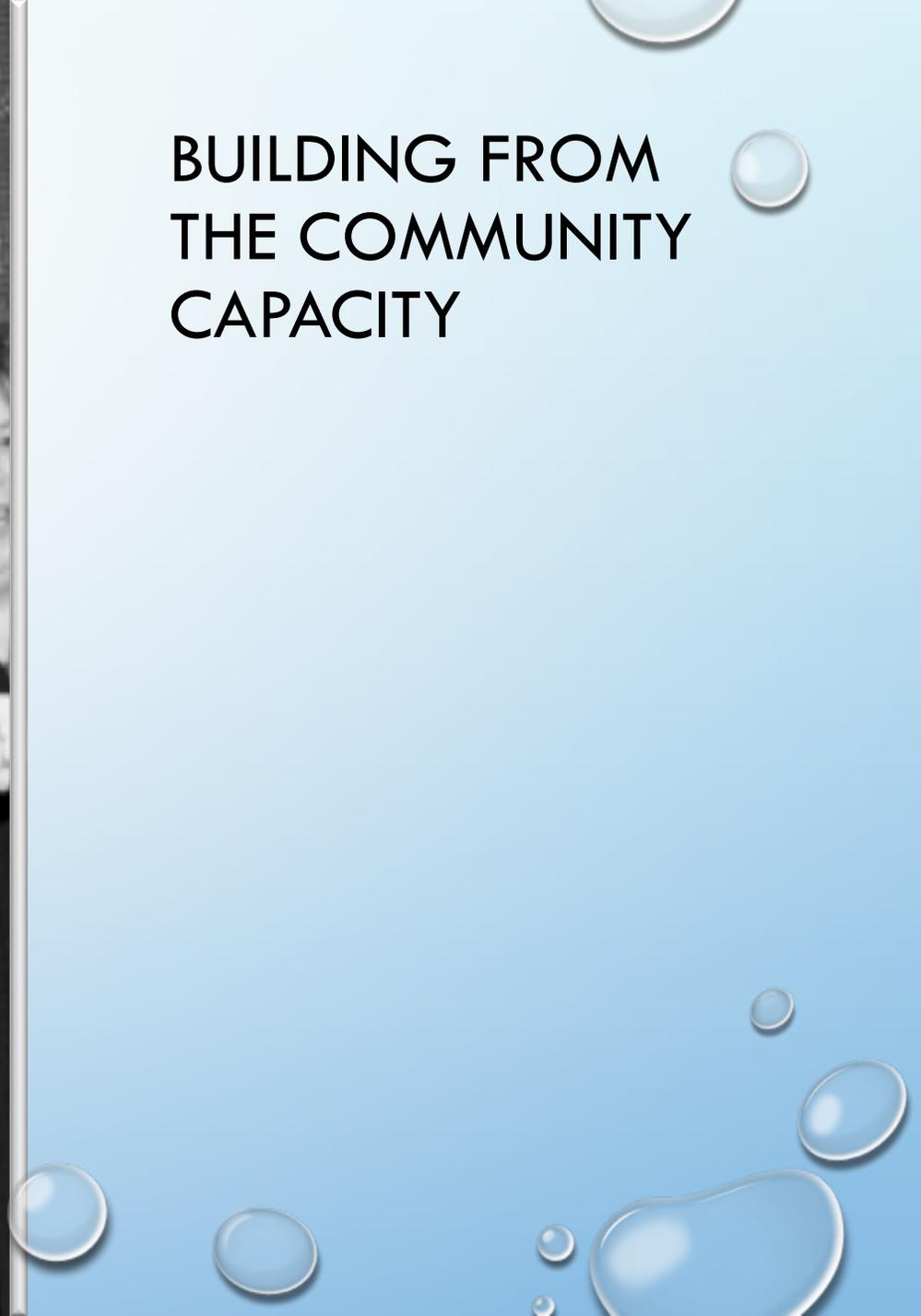


# ATTENDANCE RATES





# BUILDING FROM THE COMMUNITY CAPACITY



# INDIGENOUS KNOWLEDGE IN MATH CLASS: WHAT IT'S NOT

11. Louise purchased a Métis flag whose length was 90 cm longer than its width. The perimeter of the flag was 540 cm. What are the dimensions of the flag?



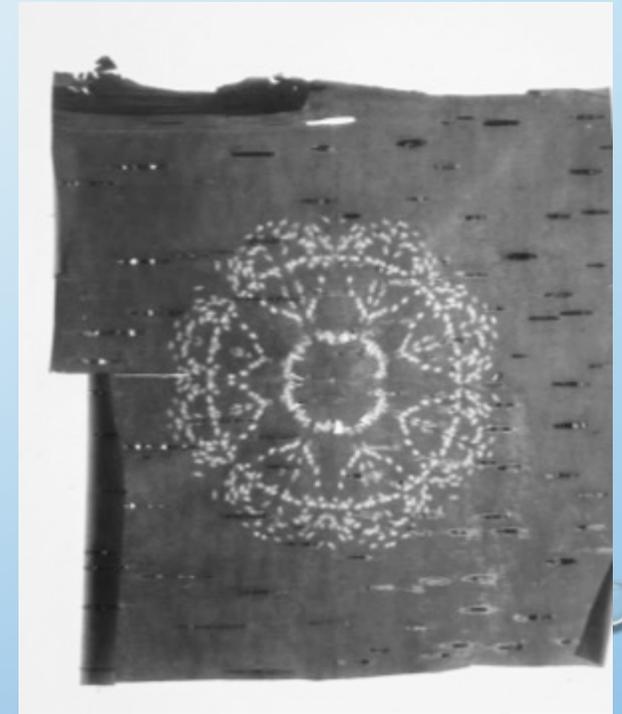
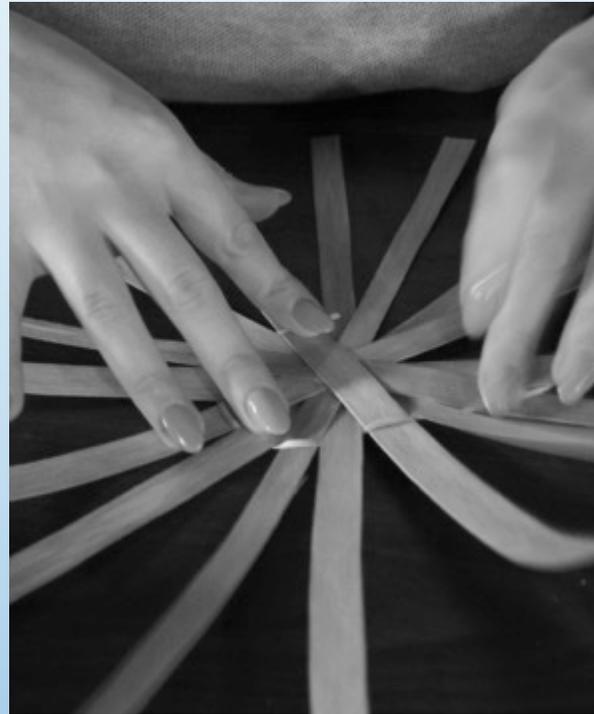
9. Talise folded 545 metal lids to make cones for jingle dresses for herself and her younger sister. Her dress had 185 more cones than her sister's dress. How many cones are on each dress?



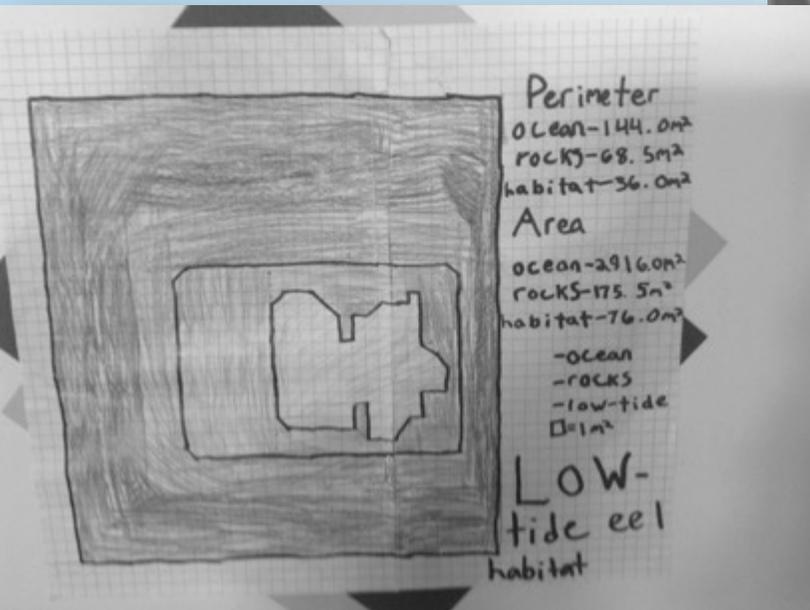
# INDIGENOUS KNOWLEDGE IN MATH CLASS: WHAT IT COULD BE



# INDIGENOUS KNOWLEDGE IN MATH CLASS: WHAT IT COULD BE

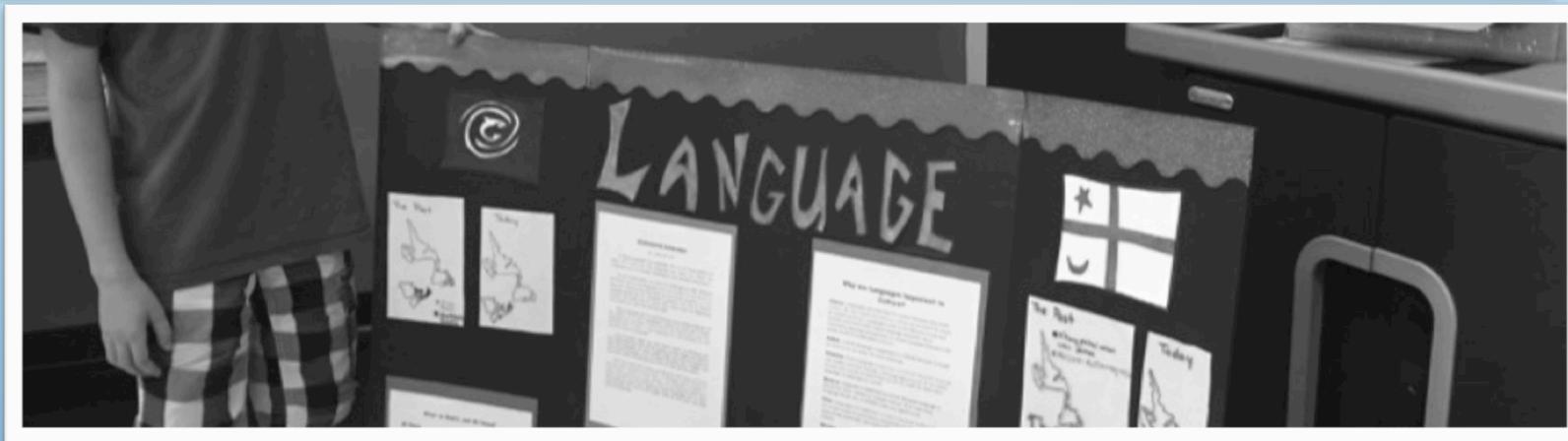


# STUDENTS INQUIRE INTO THE MATH OF EELS



HOW LONG THE EEL IS	HOW MUCH IT WEIGHS	the life cycle
20 cm		
40 cm	400 g	glass eel
60 cm	1200 g	silver eel
80 cm	3600 g	yellow eel
100 cm	10,800 g	if the eel is still alive
	32,400 g	late (dead) eel

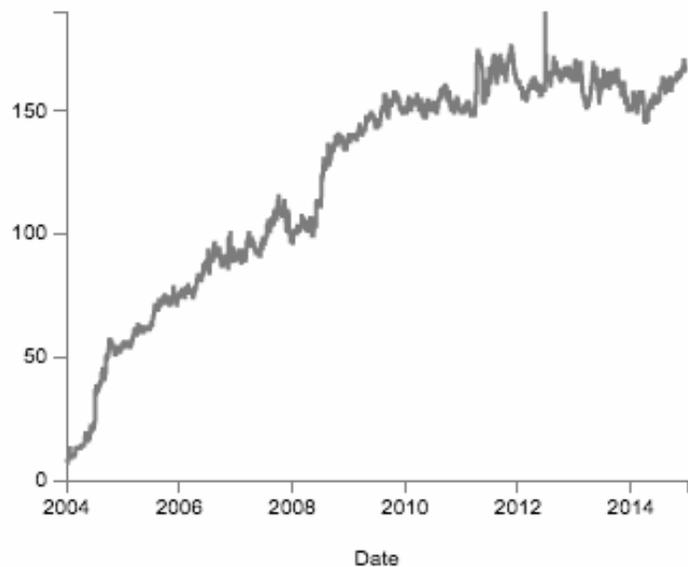
# SHOW ME YOUR LANGUAGE...



# WATER SECURITY

## Total # of boil water advisories in effect per day

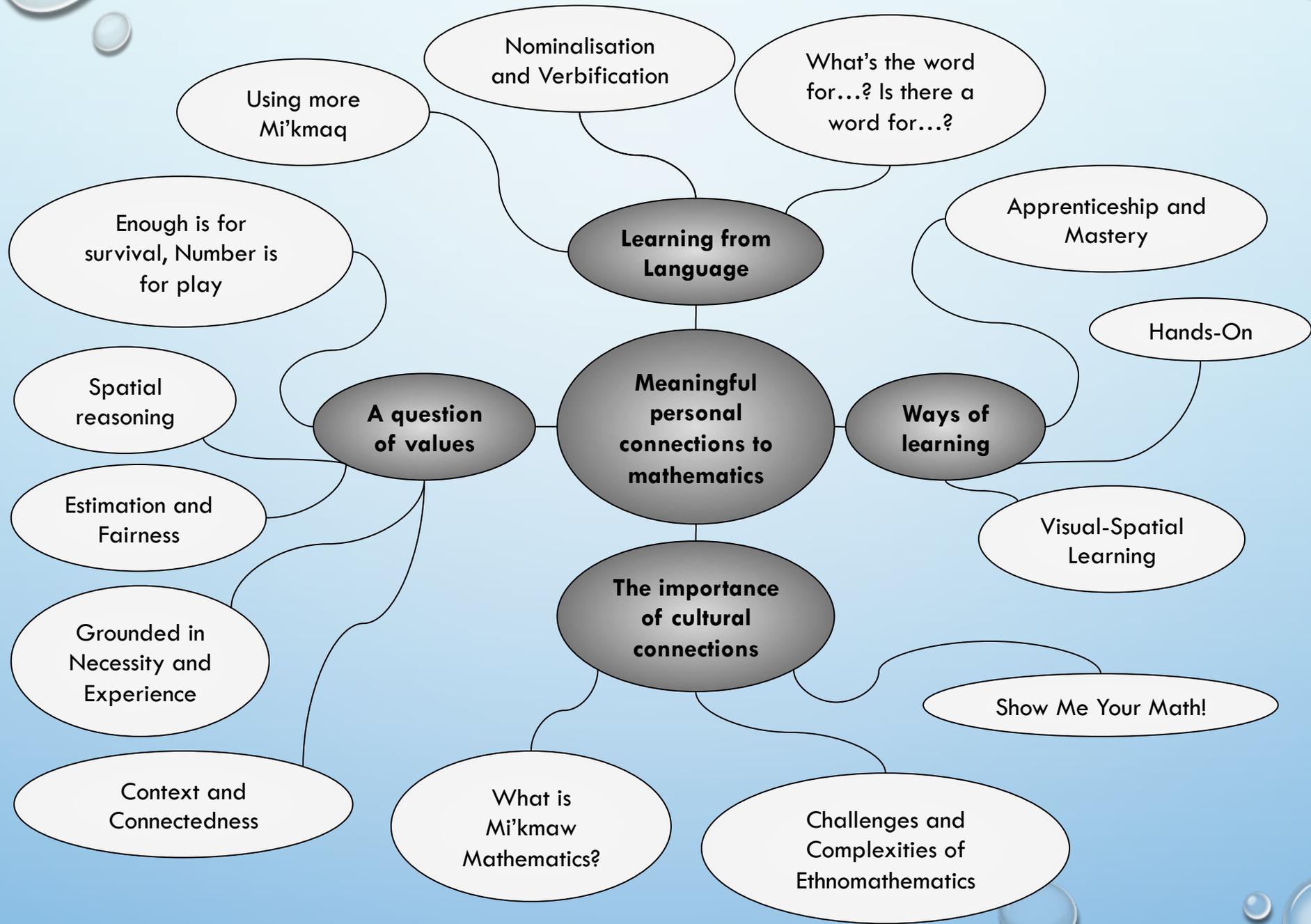
Number of advisories





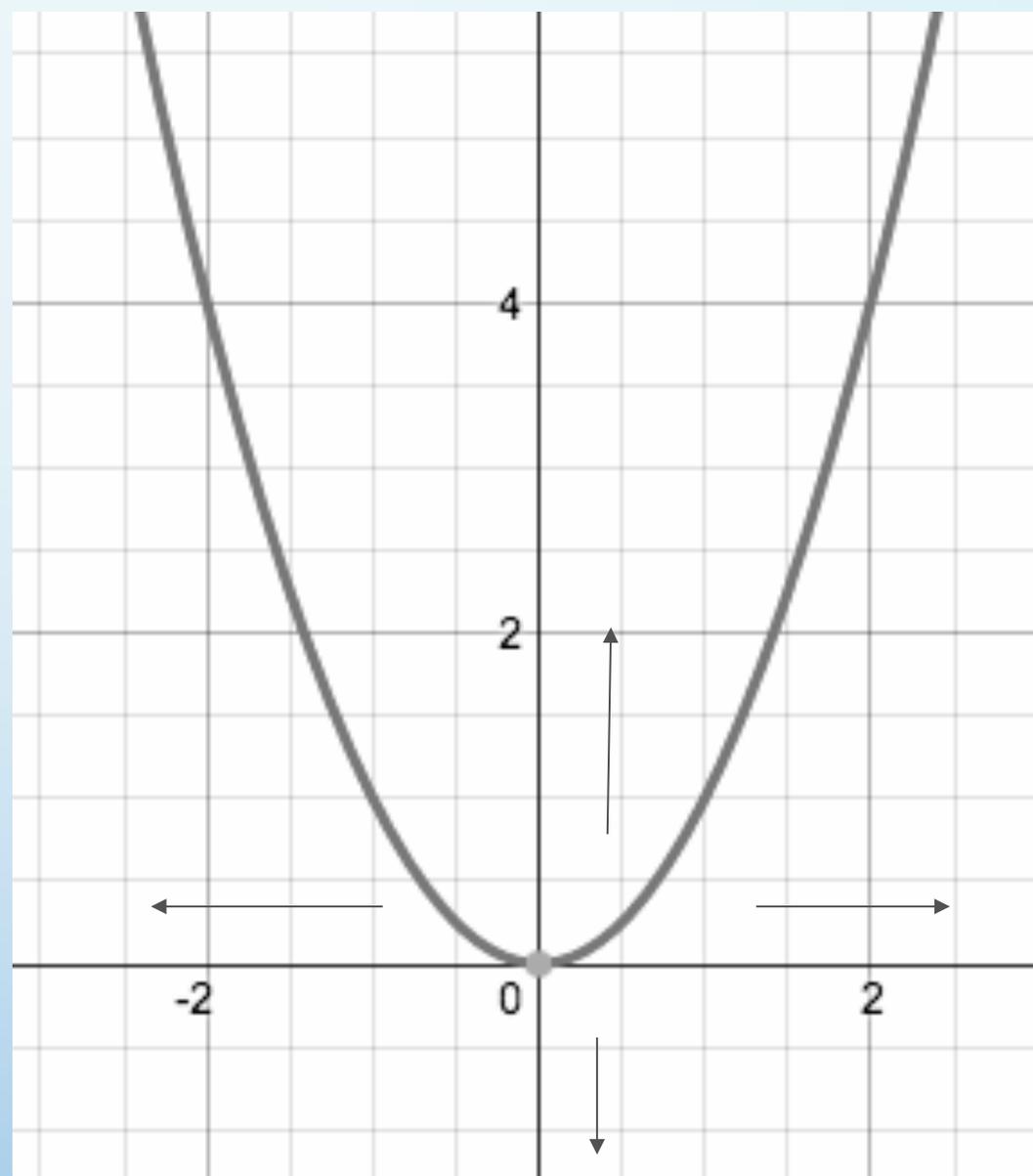
# CULTURAL CONTEXTS ALONE ARE NOT ENOUGH

IT'S ABOUT L'NUI'TA'SIMK



# VERBIFICATION

MI'KMAQ IS A VERB BASED LANGUAGE;  
MATHEMATICS TENDS TO BE NOMINALIZED;  
FOCUSING MORE ON VERBS MADE A  
DIFFERENCE IN MY CLASS



# LINEAR EQUATIONS / SLOPE

