



Date of Meeting: 2020 January 07

Item #: 5.0

<b>REPORT TO:</b>	<input type="checkbox"/> Administrative Council <input checked="" type="checkbox"/> Program and School Services Advisory Committee <input type="checkbox"/> Policy Working Committee <input type="checkbox"/> Planning and Priorities Advisory Committee <input type="checkbox"/> Board <input type="checkbox"/> Other:
	For Board Meetings: <input type="checkbox"/> PUBLIC <input type="checkbox"/> IN-CAMERA
<b>TITLE OF REPORT:</b>	Operational Plan Update: NUMERACY
<b>PRESENTED BY:</b> <i>(list ONLY those attending the meeting)</i>	Marion Moynihan, Superintendent of Student Achievement Scott Armstrong, System Principal, Learning Support Services
<b>PRESENTED FOR:</b>	<input type="checkbox"/> Approval <input checked="" type="checkbox"/> Input/Advice <input type="checkbox"/> Information
<b>Recommendation(s):</b> <i>(only required when presented for approval)</i>	
<b>Purpose:</b>	To share the Operational Plan Update on Numeracy with the Program and School Services Advisory Committee.
<b>Content:</b>	
<b>Cost/Savings:</b>	
<b>Timeline:</b>	
<b>Communications:</b>	
<b>Appendices:</b>	Operational Plan Update: NUMERACY

**Strategic Priority Area(s):**

<b>Relationships:</b>	<input type="checkbox"/> Students, families and staff are welcomed, respected and valued as partners. <input type="checkbox"/> Promote and build connections to foster mutually respectful communication among students, families, staff and the broader community. <input type="checkbox"/> Create opportunities for collaboration and partnerships.
<b>Equity and Diversity:</b>	<input type="checkbox"/> Create opportunities for equitable access to programs and services for students. <input type="checkbox"/> Students and all partners feel heard, valued and supported. <input type="checkbox"/> Programs and services embrace the culture and diversity of students and all partners.
<b>Achievement and Well-Being:</b>	<input checked="" type="checkbox"/> More students demonstrate growth and achieve student learning outcomes with a specific focus on numeracy and literacy. <input checked="" type="checkbox"/> Staff will demonstrate excellence in instructional practices. <input type="checkbox"/> Enhance the safety and well-being of students and staff.

Form Revised June 2019



# Operational Plan NUMERACY UPDATE

Program and School Services Advisory Committee Meeting  
January 7, 2020

# Strategic Priorities, 2018-2021

## **ACHIEVEMENT AND WELL-BEING**

We engage in innovative learning experiences that promote excellence in student achievement and well-being.

## **EQUITY AND DIVERSITY**

We provide an equitable and inclusive environment that champions learning opportunities for all.

## **RELATIONSHIPS**

We build positive relationships with all members of our education community to foster an engaged and inclusive board culture.

**Improve student  
achievement in  
numeracy**

**Targeted Outcomes:**

Increase in primary, junior  
and grade 9 mathematics  
provincial assessment results

Increase in students enrolled  
in grade 9 academic  
mathematics courses

# Numeracy

## **Goal One:**

To improve student achievement in mathematics with a specific focus on number and operations

## **Goal Two:**

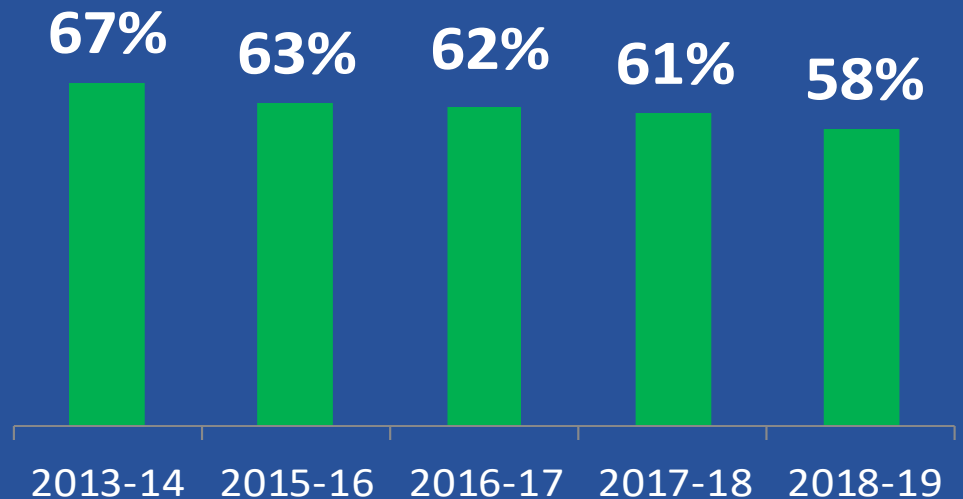
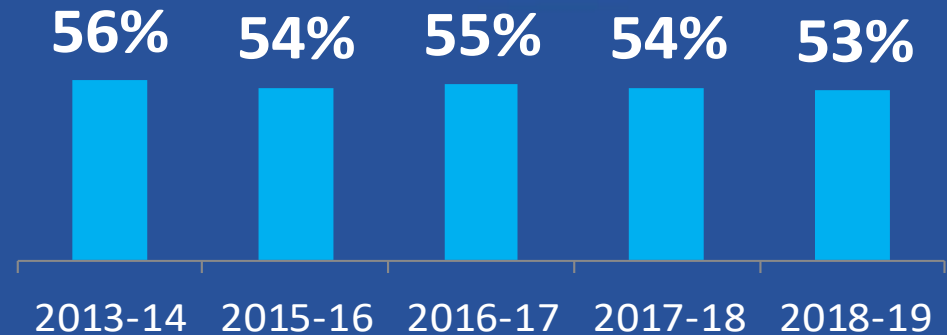
To increase student, family and educator understanding of math programming and course selection

# Primary Math Assessment

**5%**



**Percent of All  
Students Meeting  
Provincial  
Standard**

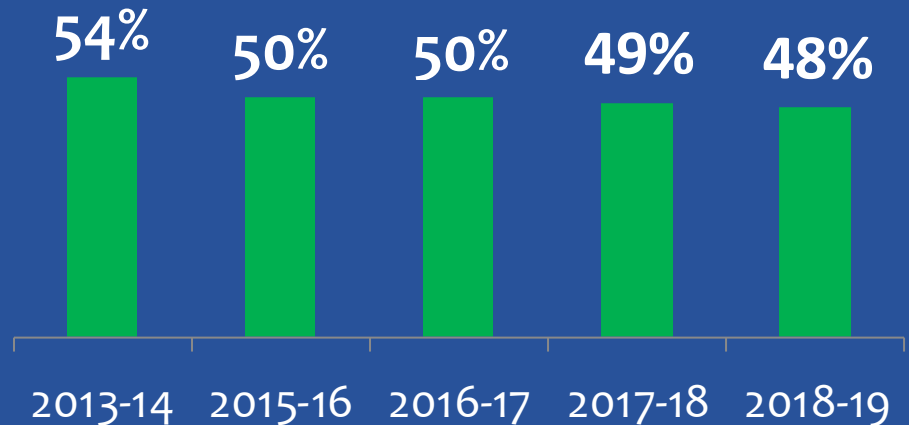
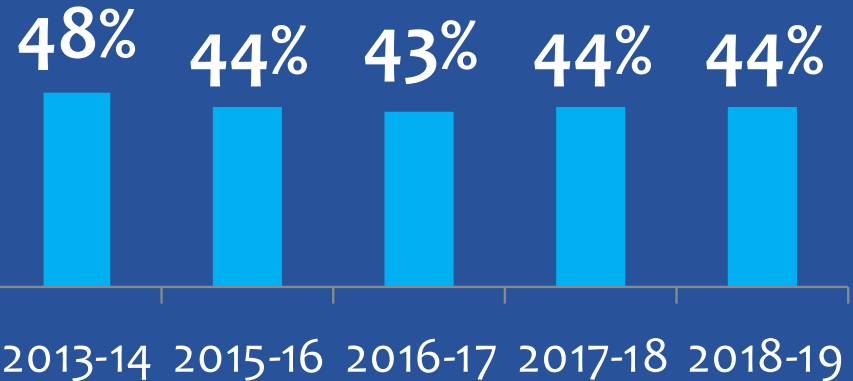


## Junior Math Assessment

4%



Percent of All  
Students Meeting  
Provincial  
Standard



# Grade 9 ACADEMIC Math

**4%**



**Percent of All  
Students Meeting  
Provincial  
Standard**

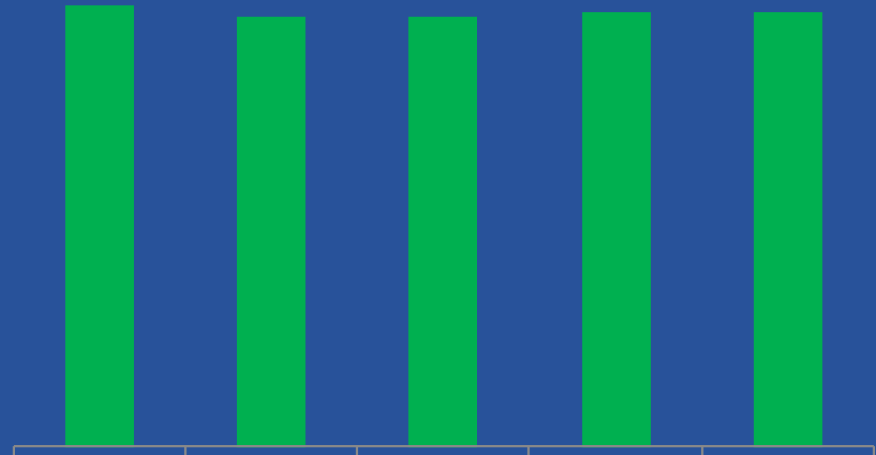


**82% 82% 81% 83% 80%**



**2013-14 2015-16 2016-17 2017-18 2018-19**

**85% 83% 83% 84% 84%**



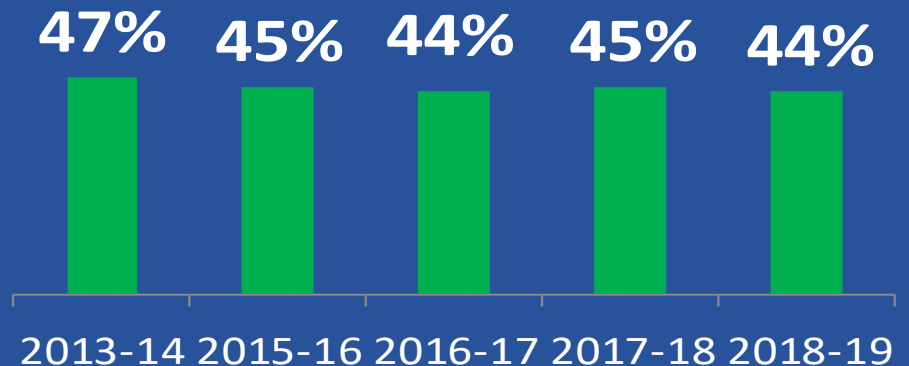
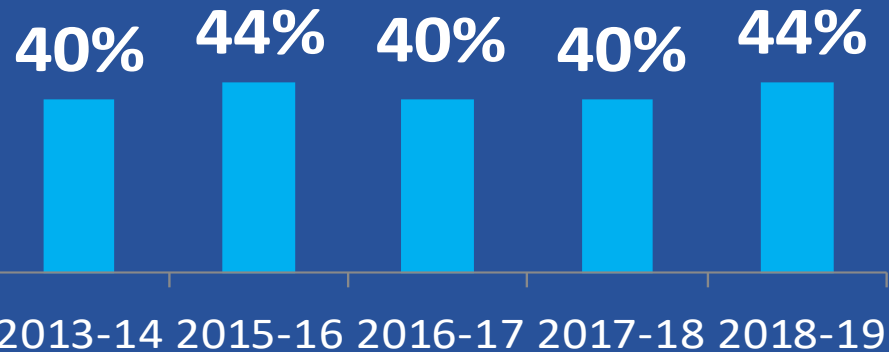
**2013-14 2015-16 2016-17 2017-18 2018-19**



# Grade 9 APPLIED Math

**0%**

**Percent of All  
Students Meeting  
Provincial  
Standard**





# **Provide professional learning about “number sense” for educators and administrators.**

October (elementary) and November (secondary) PA Days devoted to numeracy with all teachers in our system

Additional Qualifications Math Courses (through Western University)

After-School Math Sessions for elementary teachers

Sunrise Sessions for elementary administrators and superintendents



Grade 3, 6, 9 Applied Baseline Assessments: Educators in 44 targeted elementary and 13 secondary schools

# Provide high impact cognitive strategies for schools to use to support students.

Modeled by Learning Coordinators and Facilitators through professional learning and job-embedded support in the classroom

Shared the Ministry's [The Fundamentals of Math Teachers' Guide Resource Companion](https://math.thelearningexchange.ca/teachers-guide/) with all educators (<https://math.thelearningexchange.ca/teachers-guide/>)

# EQAO Grade 9 2018-2019 % of Students Enrolled in Different Course Types

	Academic Math	Applied Math
 Ontario	75%	25%
	67%	33%



# **To increase student, family and educator understanding about math pathways in order that informed decisions are made regarding secondary math courses**

5 Regional Family Math Information Nights:

- 266 families participated

Education of staff on pathway options:

- Elementary Administrators
- Elementary Guidance Leads
- Elementary & Secondary Learning Support Teachers
- Secondary Administrators
- Secondary Guidance Counsellors

# **To increase student, family and educator understanding about math pathways in order that informed decisions are made regarding secondary math courses**

- Review primary and junior students whose math programs are modified
- Engage staff in professional learning related to strategies to support students with grade level programming (e.g., accommodations versus modifications)
- Develop process where approval will be needed for math programs to be modified

# Targeted outcomes for the current school year

- Increase in primary, junior and grade 9 applied math provincial assessment results
- Increase in number of grade 9 students enrolled in academic math courses

# Impact of the strategies will be monitored through:

- Superintendent School Visits
- System-level Student Data
- Provincial Assessment Data
- Staff Enrolment in Professional Learning
- Feedback from Administrators, Staff, and Families