

Bridging the Gap

Supporting Students
Through Change

Thursday, April 23 | 6-7:30 pm



FEDERAL WAY
PUBLIC SCHOOLS





Math Milestones

Growing in math understanding
from Kindergarten through 5th
grade

What does it mean to be good at math?

Problem Solver

Creative

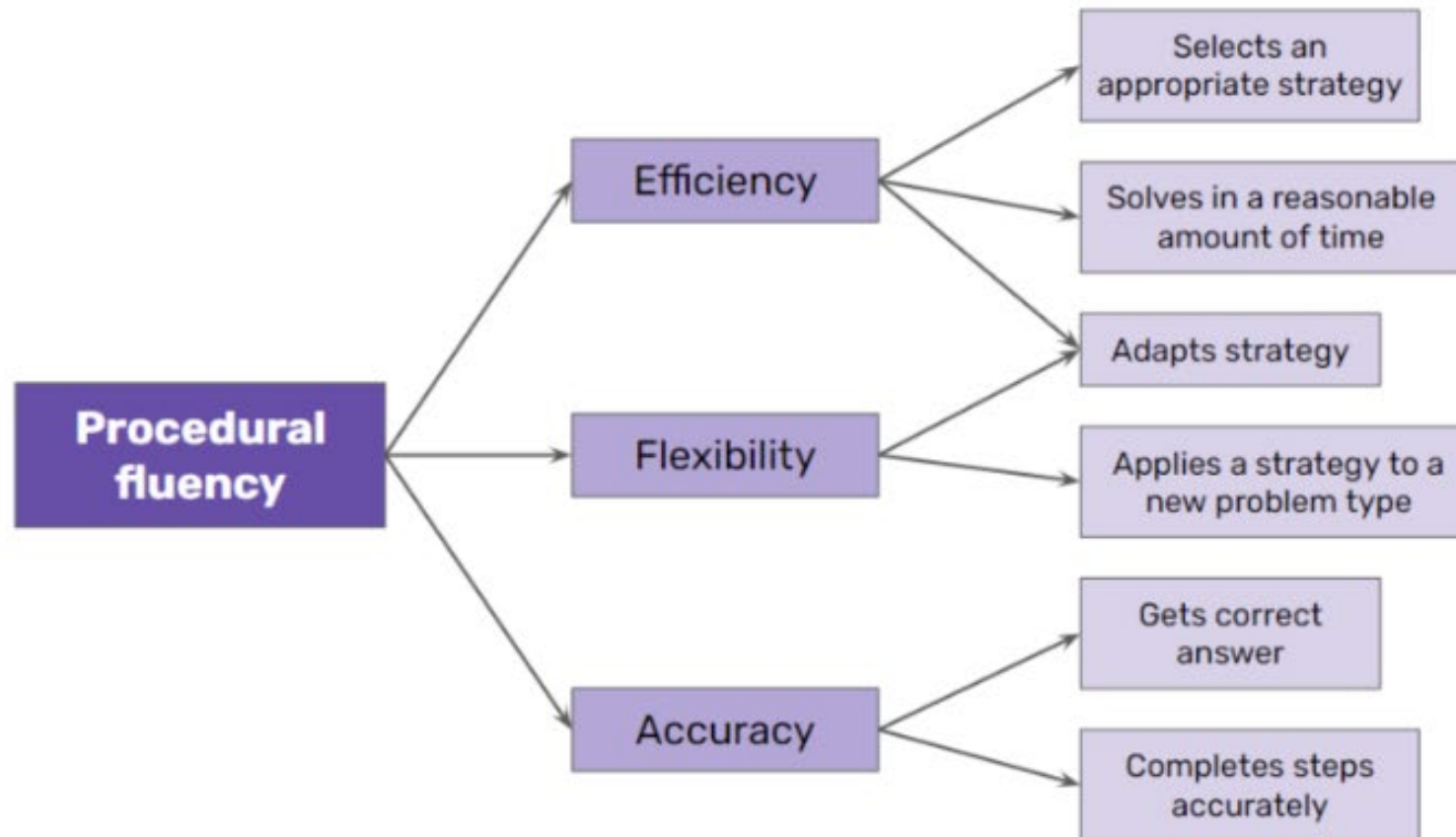


CURIOUS

Collaborative

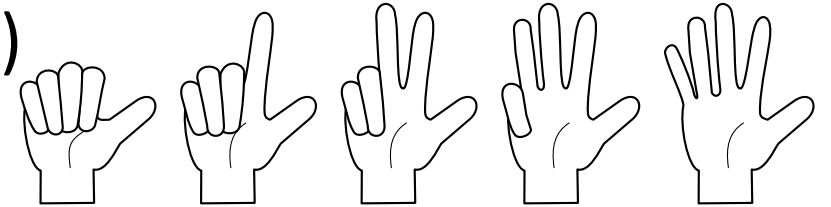
What does *Fluency* mean with math?

Fluency can be defined through **three components** with **several actions**

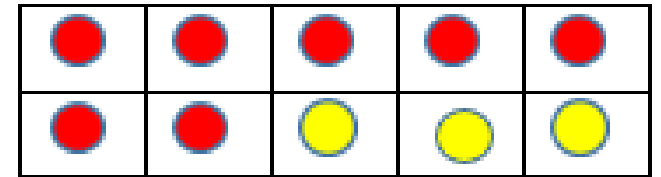


Required Fluencies - *efficient, flexible, and accurate*

- **Kinder: Add/Subtract within 5 (Number bonds)**



- **1st Grade: Add/Subtract within 10 (Number bonds)**



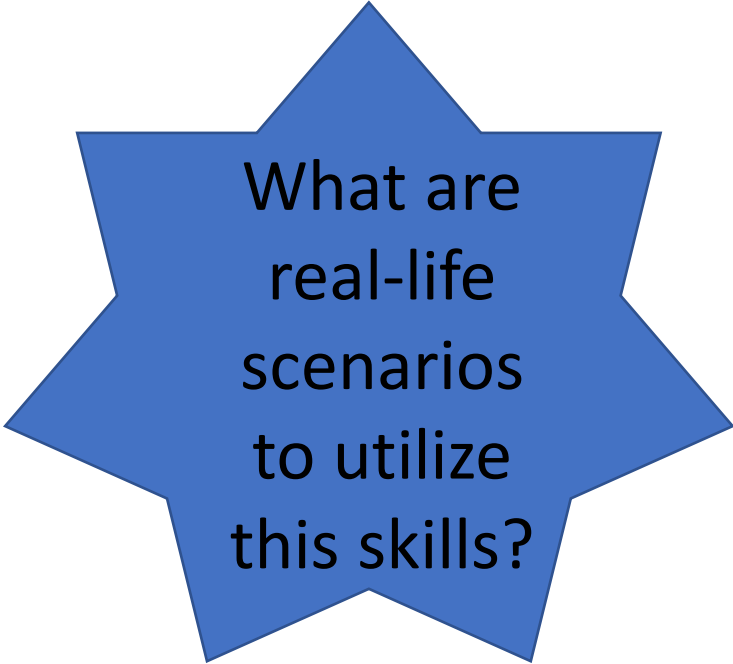
- **2nd Grade: Add/Subtract with 100**

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

What's
my
partner
number?

Required Fluencies - *efficient, flexible, and accurate*

- **3rd Grade: Products up to 9 x 9** (*count by 2's, 4's, 5's, etc.*)
- **4th Grade: Add/Subtract within 1000**
- **5th Grade: Multi-digit multiplication**



What are
real-life
scenarios
to utilize
this skills?



Where are we going?

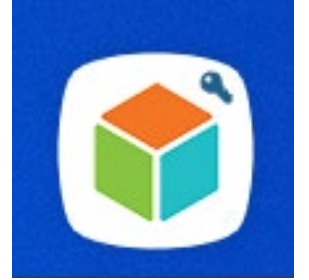


When will we get there?

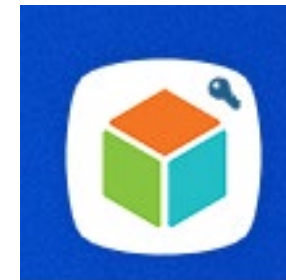
Kinder	1 st	2 nd	3 rd	4 th	5 th
Know number names and the count sequence to 100	Count within 120, forward and backward, by 1's and 10's	Count within 100 - by 5's, 10's, and 100's	Understand fractions ($1/2$, $1/3$, $1/4$, $1/6$, $1/8$)	Understand fractions and decimals to hundredths	$+$, $-$, \times , \div with decimals to hundredths
Count to tell the number of objects to 20	Understand place value – tens and ones	Understand place value – hundreds, tens and ones	Understand place value – thousands, hundreds, tens and ones	Understand place value – to hundred thousands	Understand decimal place value – to thousandths
Compare numbers within 10	Compare numbers using place value (tens and ones)	Understand odd and even numbers and arrays	Multiply and divide within 100	Multiply up to 4-digits by 1 digit	Multiply whole numbers with standard algorithm
Understand addition as putting together and subtraction as taking apart	Represent and Solve problems using addition and subtraction, within 20	Add and subtract within 20, mentally	Add and subtract within 1000, using place value strategies	Add and subtract within 1000, using standard algorithm	Add and subtract fractions with unlike denominators
		Represent and Solve problems using addition and subtraction within 100	Solve word problems with multiplication and division	Add and multiply fractions (by whole numbers)	Multiply fractions by fractions



What can an i-Ready report tell me?



- Domains
- Placement Levels
- Growth
- *Your child's teacher knows lots of other information about your child's strengths and ways they have grown – this is just one tool!*



What can an i-Ready report tell me?

Domains in i-Ready assessments:

Number and Operations	Algebra and Algebraic Thinking	Measurement and Data	Geometry
<ul style="list-style-type: none">• Reading and writing numbers• Adding and subtracting• Multiplying and dividing• Place value• Decimals, fractions, negative numbers	<ul style="list-style-type: none">• Understanding operations (+, -, x, ÷)• Modeling and solving real-life situations (word problems)	<ul style="list-style-type: none">• How to find and use measurements like length, volume, weight, and time• Understanding tables and graphs• Interpreting data	<ul style="list-style-type: none">• Two and three dimensional shapes• Parallel and perpendicular lines• Symmetry• Angles

What can an i-Ready report tell me?



Placement Levels in i-Ready assessments:

- Overall and by Domain
- Always compared to current grade level
 - **At/Above** Grade Level
 - **Approaching** Grade Level
 - **Needs Improvement**

Domain
Overall
Number and Operations
Algebra and Algebraic Thinking
Measurement and Data
Geometry

What can an i-Ready report tell me?



Growth

Annual Typical Growth – how much this child would be expected to grow in a typical year

Stretch Growth – About 1.5x their typical growth

Your child's teacher knows lots of other information about your child's strengths and ways they have grown – this is just one tool!

How can I help my child?

- You don't have to be the expert!
- Ask lots of questions. Instead of *"what don't you understand?"*
Try:
 - *"What makes sense to you?"*
 - *"What could the answer be?"*
 - *"What do you know? How could that help you?"*
 - *"What have you tried?" "What else could you try?"*
- Look for opportunities to use math in your daily life!
- Share with your child how you use math in life and be as positive as possible!

Feedback Survey

Please help us improve by sharing your feedback about today's event:

Encuesta posterior al evento: !Ayúdenos a mejorar!

Sau buổi sự kiện: Hãy giúp chúng tôi cải thiện!

*Опрос мнения по окончании мероприятия:
Помогите нам учесть недочёты!*

پست-نظرسنجی : رویداد به ما کمک می کند
بهبود یابیم!



Scan the QR code or, Visit:
www.fwps.org/FamilyAcademySurvey

Please make your way to your next breakout session

6:55-7:30 pm

Ready, Set, Kindergarten!

(Best for Grades PK-K) Room B207

Readers on the Move: A Parent's
Guide to 'Walk to Read'

(Best for Grades K-5) Room B201

Pathways to the Future: Making
Sense of the High School Transcript

(Best for Grades 9-12) Room B206

Digital Citizenship — AI: Is It
Plagiarism?

(All Grades) Room B205

Looking Ahead: Making the Most
of Math Transitions from Middle
to High School

(Best for Grades 7-9) Room B203