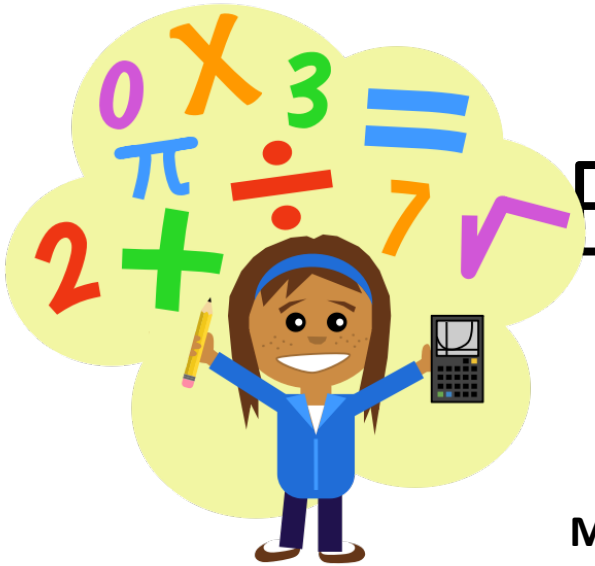
Family Engagement Academy 2022-2023



Welcome to Family Engagement Academy 2022-23!

Make plans NOW to join the next session

Tuesday, February 7: Helping Your Child Deal with Stress And Difficult Feelings

ALL sessions will be one hour from 6 to 7 PM.

There will be resources and give-aways at each session! **Plus, each parent that attends will get 1 entry to go into a drawing for a free tablet!**

YOU MATTER!

Research from the **National Coalition for Parent Involvement in Education** shares that "no matter their income or background, students with involved parents are more likely to have higher grades and test scores, attend school regularly, have better social skills, show improved behavior and adapt well to school." Parents, schools, students, and communities who work together can do GREAT things!

The Shelby County 2022-2023 Family Engagement Academy is paid for through

Count up to 20 Objects

Esti - Mystery

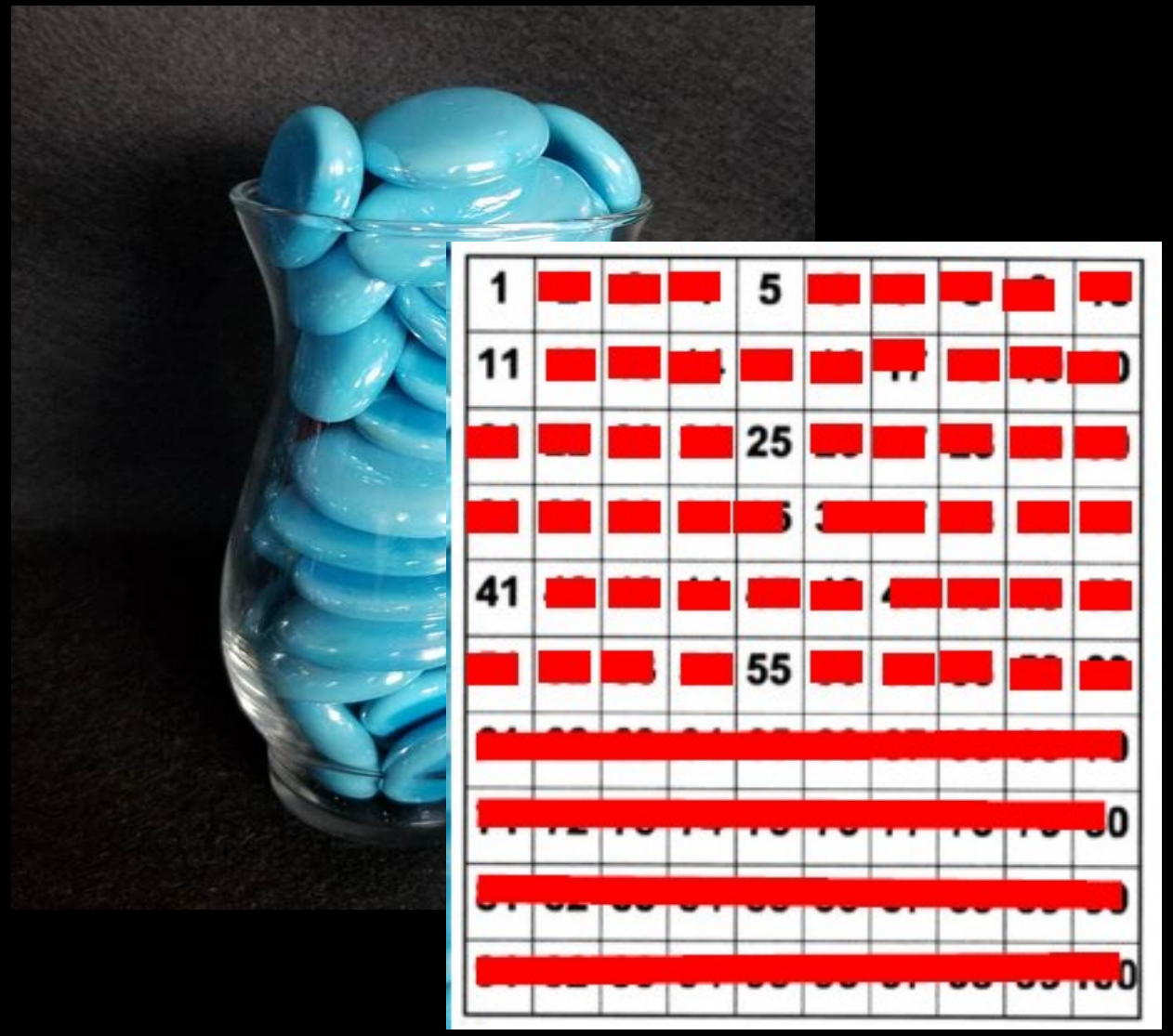
“Rocky Vase”

Steve Wyborney

How many rocks are in the vase?

- **As the clues appear, use the information to narrow the possibilities to a smaller set.**
- **After each clue, use estimation again to determine which of the remaining answers is the most reasonable.**

- **Write down your first estimate.**
- **After each clue, you'll see if your estimate is still a possibility.**
- **After each clue, if it is no longer possible write down a new estimate – and be prepared to explain why you chose it.**



Clue #1

The answer is less than 60.

Clue #2

Count by 3's from 3 to 60.
Cross off all those numbers.
Cross of 3, 6, 9, 12, …

Clue #3

Cross off all the even numbers.
Cross of 2, 4, 6, 8, …

Clue #4

The answer does not include the digits 3, 7, or 9.

Steve Wyborney

- After seeing the clues, you have narrowed the possibilities to a small set of numbers.
- Before you see the answer, select your final estimate.
- Write it down, and explain to someone why you chose that number.

Steve Wyborney

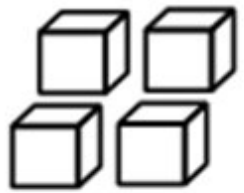
The Reveal

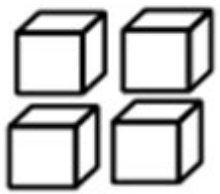
Click to see the answer.

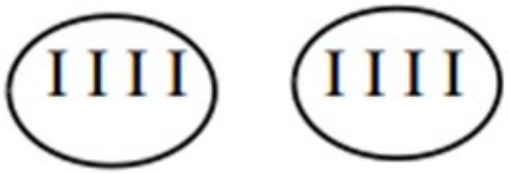
Understanding Math

Building Mathematical Concepts

Concrete Manipulatives → **Pictorial Representation** → **Abstract Symbols**



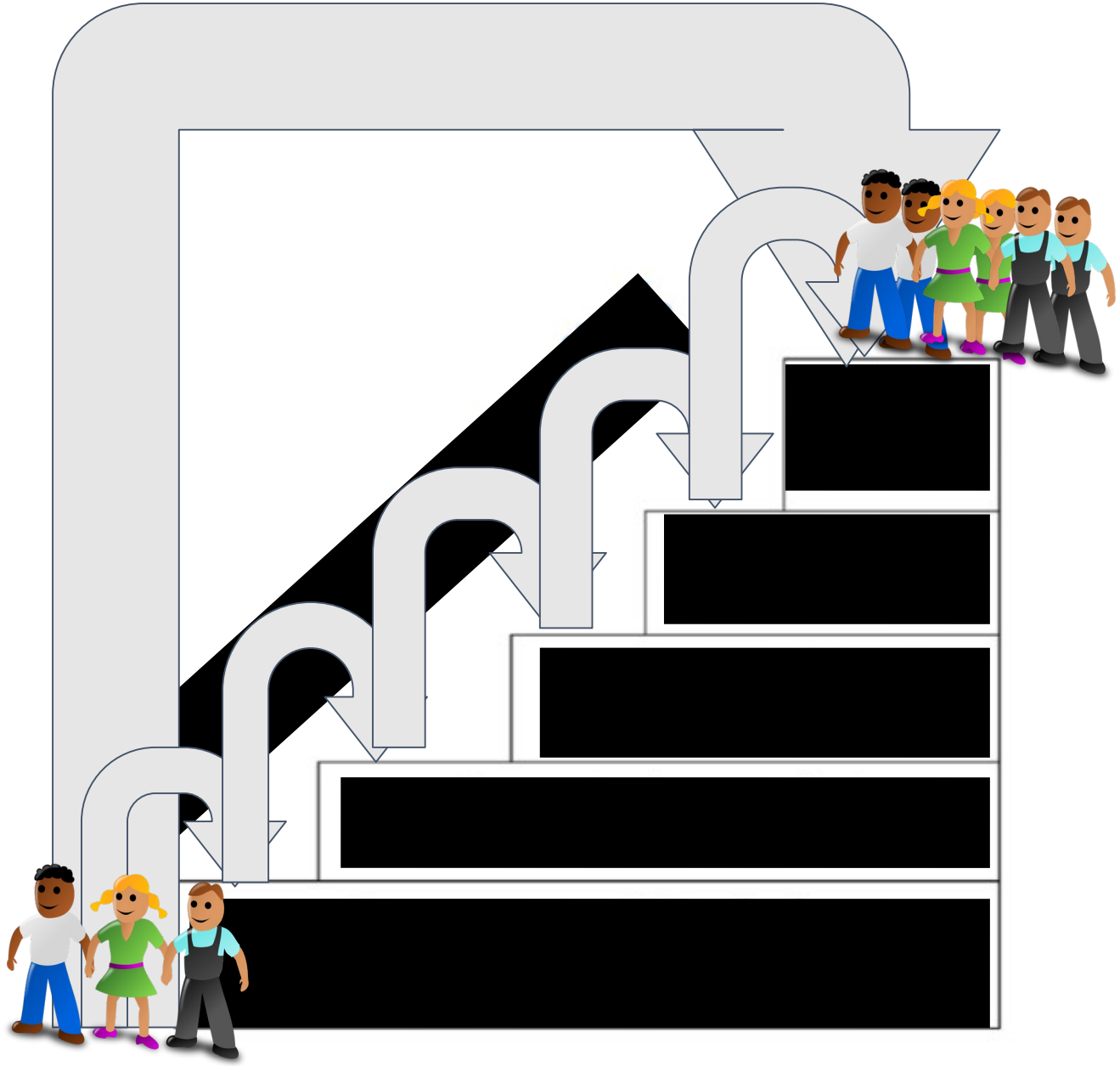




$4 + 4 = 8$

$2 \times 4 = 8$

*Significant time must be spent working with concrete materials and constructing pictorial representations to assist with abstract symbol and operational understanding.



Shelby County Math At-A-Glance

Envision

In Shelby County, we use the math program Envision. This program combines problem based learning with visual learning. Using this model of learning the students are able to gain a deeper, clearer understanding of math concepts.

Small Group
30 mins

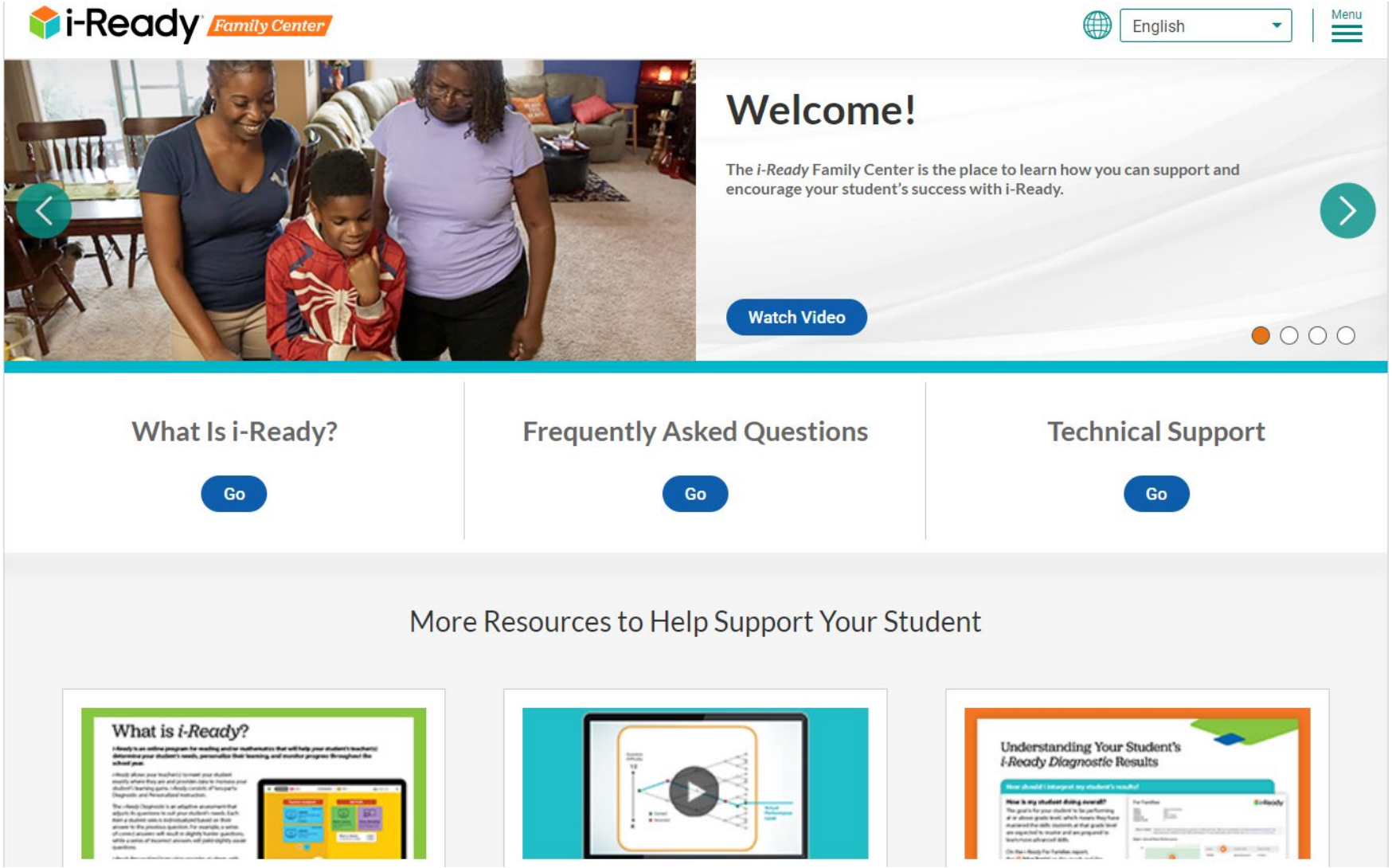
The teacher is pulling students based on their needs according to their iReady data and teacher judgement. Students not with the teacher are working in engaging problem

Whole Group
30 mins-1 hour

- ☑ Solve and Share
- ☑ Visual Learning
- ☑ Guided Practice
- ☑ Independent Practice

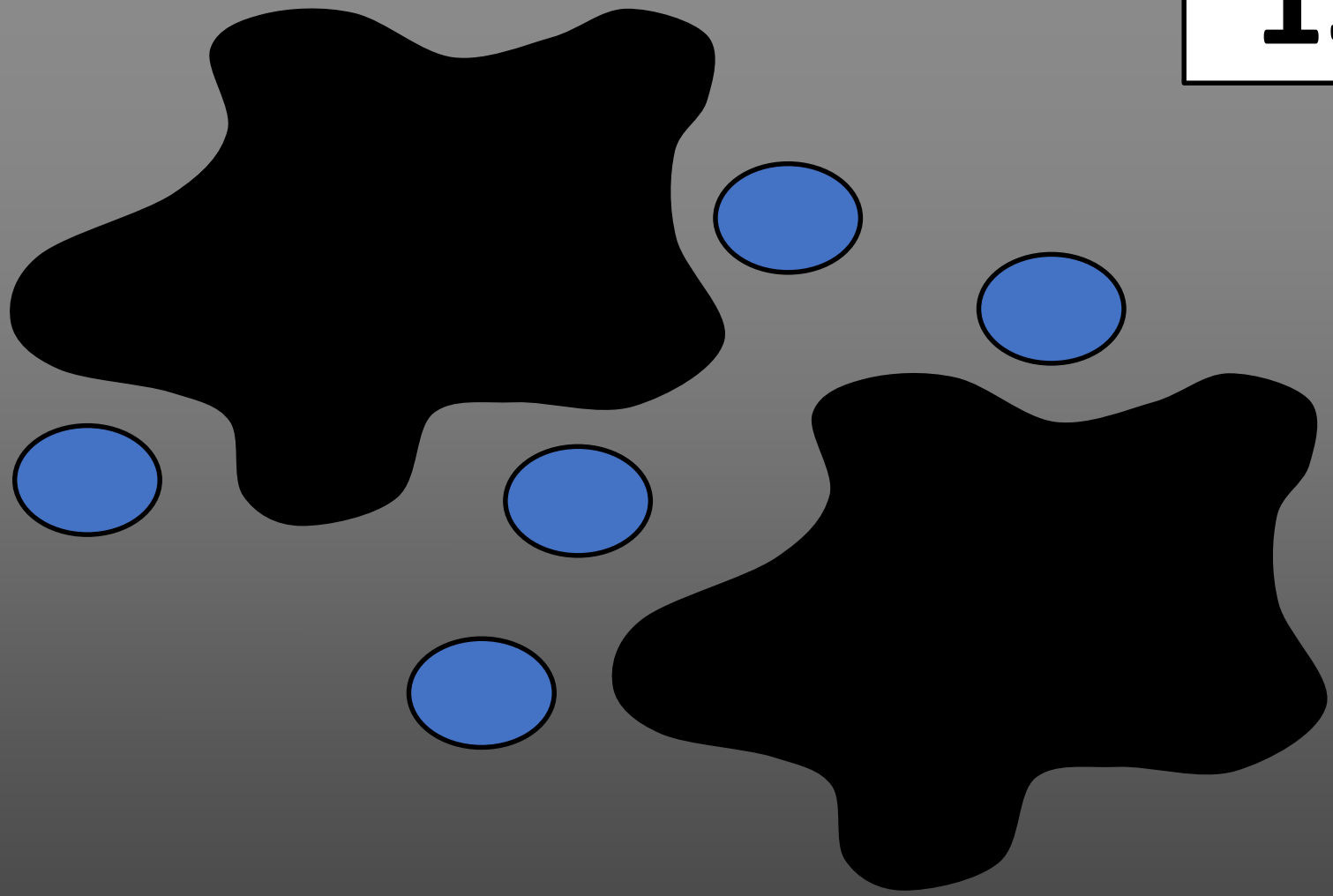
- i-Ready diagnostic assessment (3x's a year)
- Prerequisite report
- Teacher toolbox for small group instruction
- Teacher created path
- Success

i-Ready

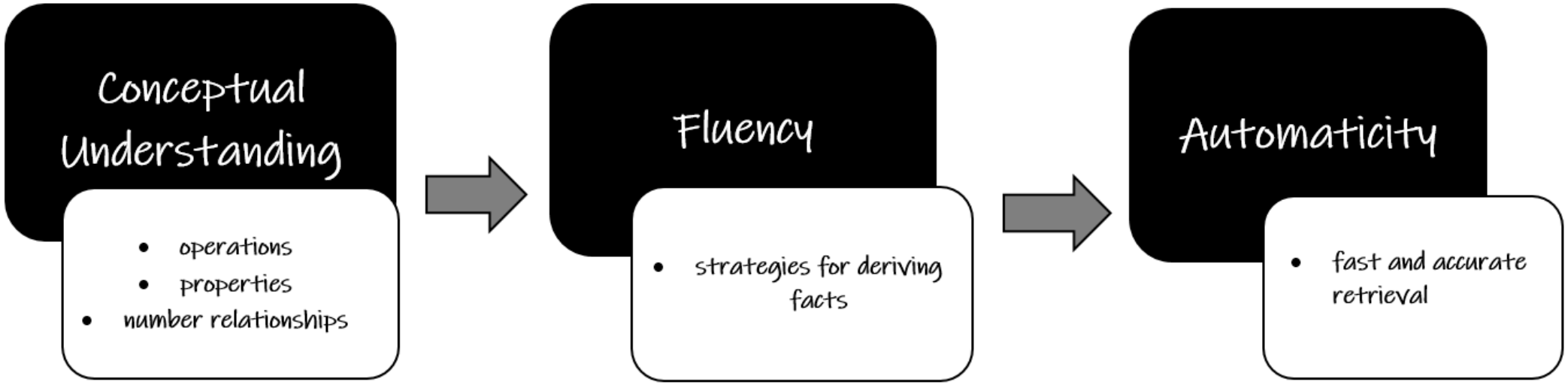

i-Ready Family Center
English
Menu
Welcome!
The i-Ready Family Center is the place to learn how you can support and encourage your student's success with i-Ready.
Watch Video
What Is i-Ready?
Go
Frequently Asked Questions
Go
Technical Support
Go
More Resources to Help Support Your Student
What is i-Ready?
Understanding Your Student's i-Ready Diagnostic Results

SPLAT!

What can we learn from this picture?



Fluency



— Irene M. Pepperberg

Addition Fluency

0 + 0	0 + 1	0 + 2	0 + 3	0 + 4	0 + 5	0 + 6	0 + 7	0 + 8	0 + 9
1 + 0	1 + 1	1 + 2	1 + 3	1 + 4	1 + 5	1 + 6	1 + 7	1 + 8	1 + 9
2 + 0	2 + 1	2 + 2	2 + 3	2 + 4	2 + 5	2 + 6	2 + 7	2 + 8	2 + 9
3 + 0	3 + 1	3 + 2	3 + 3	3 + 4	3 + 5	3 + 6	3 + 7	3 + 8	3 + 9
4 + 0	4 + 1	4 + 2	4 + 3	4 + 4	4 + 5	4 + 6	4 + 7	4 + 8	4 + 9
5 + 0	5 + 1	5 + 2	5 + 3	5 + 4	5 + 5	5 + 6	5 + 7	5 + 8	5 + 9
6 + 0	6 + 1	6 + 2	6 + 3	6 + 4	6 + 5	6 + 6	6 + 7	6 + 8	6 + 9
7 + 0	7 + 1	7 + 2	7 + 3	7 + 4	7 + 5	7 + 6	7 + 7	7 + 8	7 + 9
8 + 0	8 + 1	8 + 2	8 + 3	8 + 4	8 + 5	8 + 6	8 + 7	8 + 8	8 + 9
9 + 0	9 + 1	9 + 2	9 + 3	9 + 4	9 + 5	9 + 6	9 + 7	9 + 8	9 + 9

— Irene M. Pepperberg

Multiplication Fluency

0 x 0	0 x 1	0 x 2	0 x 3	0 x 4	0 x 5	0 x 6	0 x 7	0 x 8	0 x 9	0 x 10
1 x 0	1 x 1	1 x 2	1 x 3	1 x 4	1 x 5	1 x 6	1 x 7	1 x 8	1 x 9	1 x 10
2 x 0	2 x 1	2 x 2	2 x 3	2 x 4	2 x 5	2 x 6	2 x 7	2 x 8	2 x 9	2 x 10
3 x 0	3 x 1	3 x 2	3 x 3	3 x 4	3 x 5	3 x 6	3 x 7	3 x 8	3 x 9	3 x 10
4 x 0	4 x 1	4 x 2	4 x 3	4 x 4	4 x 5	4 x 6	4 x 7	4 x 8	4 x 9	4 x 10
5 x 0	5 x 1	5 x 2	5 x 3	5 x 4	5 x 5	5 x 6	5 x 7	5 x 8	5 x 9	5 x 10
6 x 0	6 x 1	6 x 2	6 x 3	6 x 4	6 x 5	6 x 6	6 x 7	6 x 8	6 x 9	6 x 10
7 x 0	7 x 1	7 x 2	7 x 3	7 x 4	7 x 5	7 x 6	7 x 7	7 x 8	7 x 9	7 x 10
8 x 0	8 x 1	8 x 2	8 x 3	8 x 4	8 x 5	8 x 6	8 x 7	8 x 8	8 x 9	8 x 10
9 x 0	9 x 1	9 x 2	9 x 3	9 x 4	9 x 5	9 x 6	9 x 7	9 x 8	9 x 9	9 x 10
10 x 0	10 x 1	10 x 2	10 x 3	10 x 4	10 x 5	10 x 6	10 x 7	10 x 8	10 x 9	10 x 10

— Irene M. Pepperberg

At Home

What Can You Do At Home?

❑ Ask your child to explain what he or she learned in math class today.
Letting children take the teacher role gives them the chance to practice new skills and to clarify their thinking on a lesson.

❑ Talk to your child about money.
Children around the age of six should be able to make change, understand that things cost money, be responsible for their own money, and handle an allowance.

❑ Talk to your child about how adults use math in their everyday lives —for example

- grocery shopping
- cooking
- budgeting
- checking clothing sizes
- balancing a checkbook

❑ Talk about people who use math in their jobs, including builders, bankers, homemakers, painters, architects, engineers, computer professionals, scientists and many more!

❑ **Count!**

- Beans
- Rocks
- Q-Tips
- Cotton Balls
- Money
- Candy

❑ Point out that even if your child does not plan to pursue a career in which he or she will use math, learning it is still important because math is a part of our everyday life.

Mathematics @Home

Easy Tips for Families

Count Items

Count items first, count items together, and then have your child count by themselves.

Pick a different number to count each week.

Sort Items

Gather items from your house.

Ask: Can you find the circles? Can you find the squares? Can you sort them by size from smallest to largest?

Add Items

Start by adding one additional items.

Ask: How many more items did we add? How many total items do we have now?

**Gradually increase the number of items you add.*

Take Away Items

Start by removing one item.

Ask: How many fewer items do we have? How many items did we subtract? How many total items do we have now?

**Gradually increase the number of items you remove.*

Identify Shapes & Sizes

Sort items by shape and size.

Arrange: smallest to largest, largest to smallest.

Compare items: greater than, less than, smaller, or larger.

Create patterns with items: circle, square, circle, square.

Play, Sing, & Create

Play board games, dice games, outdoor games, games that involve counting spaces or numbers, or identifying numbers.

Card games: "Go Fish", "Crazy Eights" or "Old Maid".

Connect the dots or color by number to create pictures. Repeat rhymes and sing songs like "1,2, Buckle my Shoe". Build with blocks, Legos, or sticks.

Encourage your child to have fun with math and do one of these activities today!

*Ages 5 and Under: Numbers within 5

*Age 6: Numbers within 10 *Age 7: Numbers within 20

Mathematics @Home

Easy Tips for Families

Volume Two

Let's Talk About Math

The more adults talk about math around and with children, the more children understand math as a part of everyday life.

For Infants:

Play hiding games. Play *Peek-a-boo*. Cover your face. Say, "1,2,3, Peek-a-Boo!". Reveal your face. Say, "I see you!" Helps a child develop object permanence, the concept that things exist even when hidden.

For Toddlers:

Count during everyday events. Count the light poles when walking down the street or driving. Say, "I see one light pole! OH! I see another! That is two! Do you see another one? How many will that be?" Teaches a child that math is ingrained in everyday events.

For Preschoolers:

Wonder out loud. Say, "I wonder what two plus two equals?" Encourage your child to solve the problem independently. Listen to the way the child solves the problem. Solve it with them. This encourages a child to be mathematically curious and to persevere in problem-solving.

For Kindergarten & Older:

Calculate how many. Say, "How many hot dogs will be needed at the cookout if everyone eats two? Three? How much would it cost to buy that many hot dogs?" This helps a child develop one-to-one correspondence and the concepts of adding and multiplication.

Encourage your child to have fun with math and do one of these activities today!

*Ages 5 and Under: Numbers within 5

*Age 6: Numbers within 10 *Age 7: Numbers within 20

Resources

- Salute with number cards
- Recipe book with measuring set
- Dice in Dice for addition/multiplication
- Fluency

Need HELP with Homework!

use

Savvas Bounce Pages

1. GO to bouncepages.savvasrealize.com

2. AIM the camera so the page is easily viewable on your screen.

For best results, flatten the page

3. CLICK a picture of the page.

4. BOUNCE the page to life by clicking your BouncePages program icon.

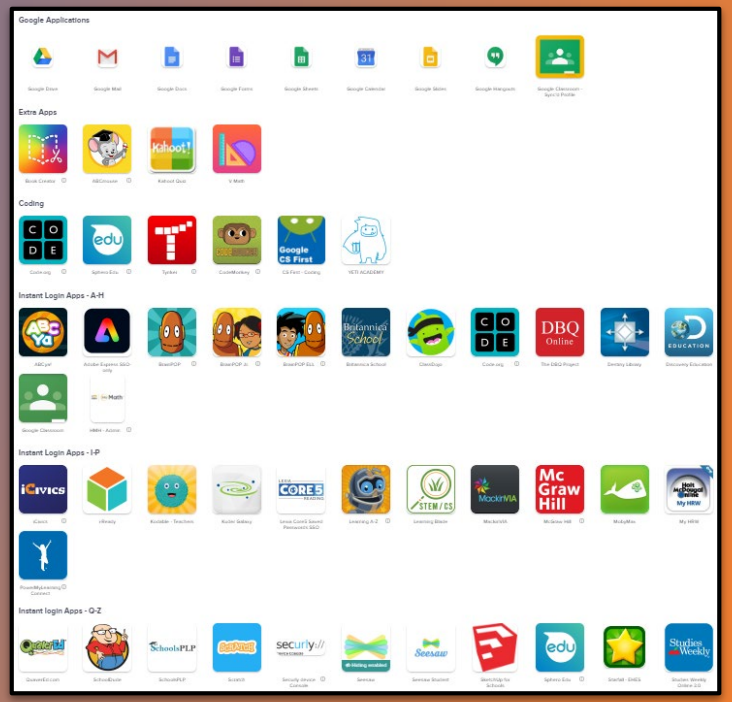
Use any mobile device to launch the lesson Visual Learning Animation Plus and the Another Look videos right from the student page.

Q & A

Any Questions?

CLEVER

An easy to access platform that contains all your student's learning resources



HOW TO ACCESS
for grades K 2

HOW TO ACCESS
for grades 3 12

LOG IN GUIDE
English

LOG IN GUIDE
Spanish

SHELBY COUNTY SCHOOLS

Thank you for joining us!

Please help us to continue to improve (and document your participation) by completing a short survey.
To access the survey, open your phone's photo app, hover the photo app over the QR code on the left until you see a link, then click on the link.

Don't miss upcoming meetings at this same location!
February 7th we will be discussing Helping Your Child Deal with Stress and Difficult Feelings (we'll be giving away games for a family game night!)

Be sure to enter the drawing for a free Kindle Fire tablet to be given away at the February 7th meeting!