

YPS Parent Academy

Are you **G.A.M.E.** in Math?

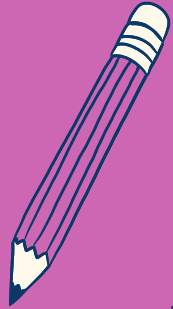
Session 4: 3/18/23

Middle Grades

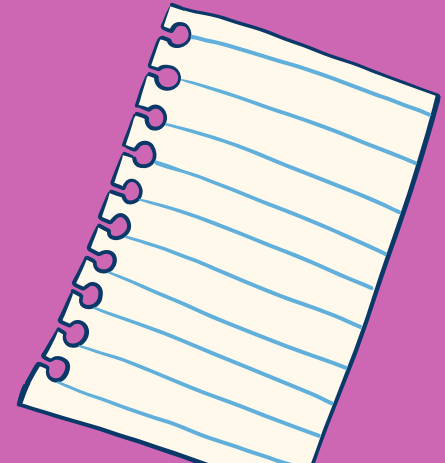
(Session requires Grade 6-8 Kit)



$$X = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$



$$a^2 + b^2 = c^2$$

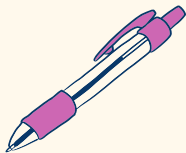


Introductions!

Who am I?

Please share:

- Name
- Child's School
- Child's Grade Level
- What do you think is the most important math concept that kids need to know in life?



Our Parent Workshops!

Come join us for a series of workshops for parents of students in **grades K-8**, designed to teach you:

- math concepts that your child is learning in school
- math tools you can use to assist your child in better understanding the math concepts
- games and activities you can use with your child to reinforce what they are learning in school



When

- 9:30-11:30AM on select Saturdays
 - ~~1/28/23~~
 - ~~2/11/23~~
 - ~~3/4/23~~
 - **3/18/23**
 - 4/15/23
 - 4/29/23
 - 5/6/23

In what ways do
you use math in
your everyday life,
as an adult?

How can parents talk about math with their kids?



How can parents talk about math with their kids?

Time to Reflect

- What questions and discussions can you have with your kids that were discussed in the video?
- What additional examples have you used with your kids to relate math to the real world?
- Why is it important for kids to see the connections and applications of math in THEIR real world?

The District Math Webpage!

For Checklists, [CLICK HERE!](#)

[Students](#)[Families](#)[Staff](#)[HOME](#)[ABOUT YPS](#)[SCHOOLS & PROGRAMS](#)[LEARNING](#)[CONTACT](#)[CALENDAR](#)[HOME](#) • [LEARNING](#) • [MATHEMATICS](#) • [MATH GRADE LEVEL CHECKLISTS](#)

Mathematics

[Yonkers Vision for Math Instruction](#)[Description of District Math Programs](#)[Math Grade Level Checklists](#)[Parent and Family Resources](#)[Available Math Support and HW Help](#)

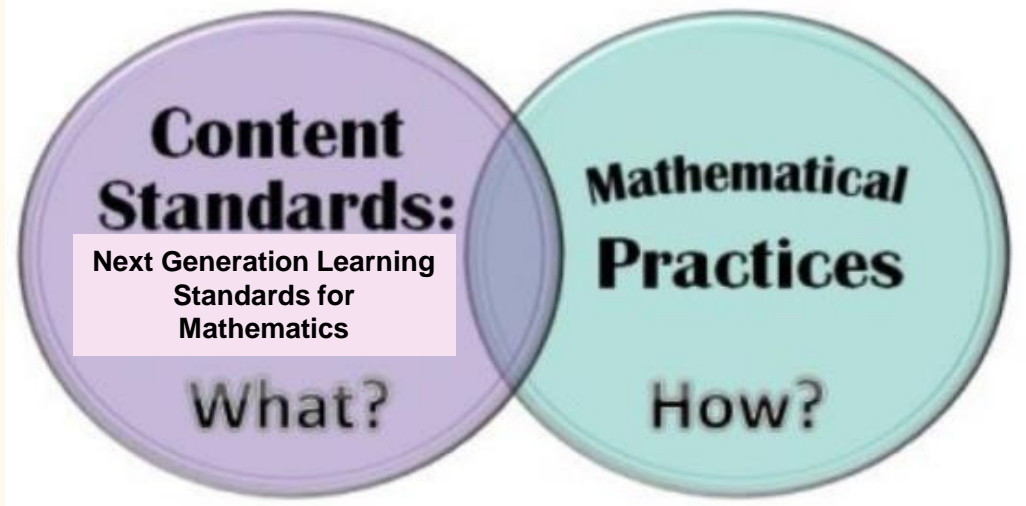
Grade Level Skills Checklists

At the start of the 2020 pandemic, Yonkers Public Schools released a set of district-wide Power Standards. These standards focus on the highest leverage skills that students need to be prepared for the next grade level. Students still need additional instruction in other areas that are not addressed by the Power Standards and teachers have been presented with the expectation that they should devote more time and depth to the Power Standards but still address all of the standards in their grade level curriculum. Below is a collection of grade-level checklists that parents and families can use to understand how prepared their child is for his/her grade level. Has your child mastered everything on his/her grade's checklist? Then look at the following grade and challenge him/her! Does your child struggle with the skills on his/her grade's checklist? Then look at the Parent and Family Resources page to gather ideas of how to support his/her learning and eventual mastery of these skills!

[!\[\]\(dc0c40d45c42e86bc0669168926f812c_img.jpg\) \[Grade 8 Checklist\]\(#\)](#)[!\[\]\(b58c23cb5aab1cd63092eda333892cb9_img.jpg\) \[Grade 7 Checklist\]\(#\)](#)[!\[\]\(488d36215f31304317ffb20d512ebb61_img.jpg\) \[Grade 6 Checklist\]\(#\)](#)

Importance of the Mathematical Practices

Understanding the Mathematical Practices



Importance of the Mathematical Practices

(Snap shot from the Checklists)

Mathematical Practices for AL

<input checked="" type="checkbox"/>	I do statement	Mat
	I do try different strategies when I get stuck and never quit!	Mak them
	I do think about my answer to see if it makes sense.	Reas
	I do explain my thinking using math vocabulary.	Con rease
	I do draw diagrams and pictures that help me solve problems.	Mod
	I do use the most appropriate tools (rulers, number lines, ten-frames, calculators, etc.) when solving problems	Use
	I do check my work when I finish.	Attend to precision.
	I do organize my work to allow myself to make valuable observations.	Look for and make use of structure.
	I do look for patterns and apply these patterns to solve problems.	Look for and express regularity in repeated reasoning.

How might you
use this
checklist with
your children
at home?

The District Math Webpage!

For Family Resources webpage, [CLICK HERE!](#)



Students

Families

Staff



HOME

ABOUT YPS

SCHOOLS & PROGRAMS

LEARNING

CONTACT

CALENDAR

HOME • LEARNING • MATHEMATICS • PARENT AND FAMILY RESOURCES

Mathematics

Yonkers Vision for Math Instruction

Description of District Math Programs

Math Grade Level Checklists

Parent and Family Resources

Available Math Support and HW Help

Parent and Family Math Resources

[Khan Academy](#)

Khan Academy is a great FREE resource. Students and parents can access practice problems and quizzes. Participants are provided with instant feedback on the work they complete. This is a great resource to consider if your child is struggling with any of the skills on their grade level check-list.

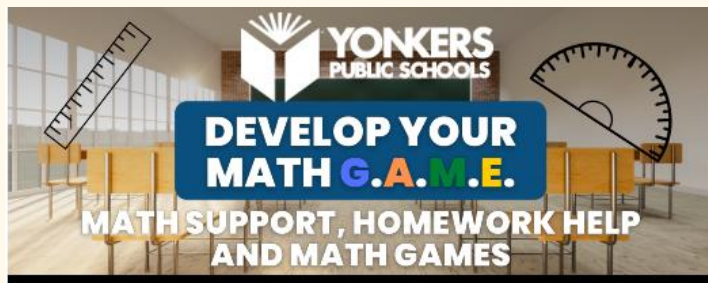
iReady Classroom Mathematics: Family Center

In the Fall of 2021, 15 of our schools will be using Ready Classroom Mathematics and i-Ready as their core math curriculum (Grades K-5). For those schools, this is a great collection of resources for families to get involved in the math learning experience of their children. There are helpful documents, videos, FAQ documents and even math discussion activities that you can do with your children at home.

Parents and students can access Khan Academy completely FREE and can search the topics from the checklist that their children need help with. There are:

- ***Instructional Videos***
- ***Practice Problems and Quizzes***

Do your children need additional help from a licensed teacher?



**YONKERS
PUBLIC SCHOOLS**

**DEVELOP YOUR
MATH G.A.M.E.**

**MATH SUPPORT, HOMEWORK HELP
AND MATH GAMES**

TEACHERS ARE AVAILABLE TO
SUPPORT STUDENTS FROM
GRADE 2 THROUGH ALGEBRA 2.

**START: 1/30/23
END: 4/27/23**

**SCHEDULE
5:30PM-6:30PM**

MONDAYS AND WEDNESDAYS

- GRADE 2 STUDENTS
- GRADE 4 STUDENTS
- GRADE 6 STUDENTS
- GRADE 8 STUDENTS
- ALGEBRA 1 STUDENTS

TUESDAYS AND THURSDAYS

- GRADE 3 STUDENTS
- GRADE 5 STUDENTS
- GRADE 7 STUDENTS
- GEOMETRY STUDENTS
- ALGEBRA 2 STUDENTS

**AVAILABLE TO ANY MATH
STUDENT TWICE PER WEEK!**

- ☒ Day 1: Review of a key grade-level topic and Homework Help
- ☒ Day 2: Homework Help and Math Games
- ☒ Join us on Zoom on your grade level days using the link/information below

**ACCESS
THE
ZOOM
LINK**



<https://bit.ly/ypshwhelp>

 mmcdonald@yonkerspublicschools.org
 (914) 376-8068



**YONKERS
PUBLIC SCHOOLS**

**DESARROLLA TU G.A.M.E.
DE MATEMÁTICAS**

**APOYO DE MATEMÁTICA, AYUDA CON
TAREAS Y JUEGOS DE MATEMÁTICAS**

LOS MAESTROS ESTÁN
DISPONIBLES PARA APOYAR A
LOS ESTUDIANTES DESDE EL
GRADO 2 HASTA ÁLGEBRA 2.

**INICIA: 1/30/23
TERMINA: 4/27/23**

**HORARIO
5:30PM-6:30PM**

LUNES Y MIÉRCOLES

- ESTUDIANTES GRADO 2
- ESTUDIANTES GRADO 4
- ESTUDIANTES GRADO 6
- ESTUDIANTES GRADO 8
- ESTUDIANTES DE ÁLGEBRA 1

MARTES Y JUEVES

- ESTUDIANTES GRADO 3
- ESTUDIANTES GRADO 5
- ESTUDIANTES GRADO 7
- ESTUDIANTES GEOMETRÍA
- ESTUDIANTES DE ÁLGEBRA 2

**¡DISPONIBLE PARA CUALQUIER
ESTUDIANTE DE MATEMÁTICAS DOS
VECES POR SEMANA!**

- ☒ Día 1: Revisión de un tema clave de nivel de grado y ayuda con la tarea
- ☒ Día 2: Ayuda con la tarea y juegos de matemáticas
- ☒ Únase a nosotros en Zoom en los días de su nivel de grado usando el enlace/información a continuación

**ACCESO
AL LINK
DE ZOOM**



<https://bit.ly/ypshwhelp>

 mmcdonald@yonkerspublicschools.org
 (914) 376-8068



Manipulative Kits!!!

You are welcome to take your kits home to use with your kids! At the end of the Parent Academy, they are yours to keep!

If you bring it home, please bring it back with you next session.

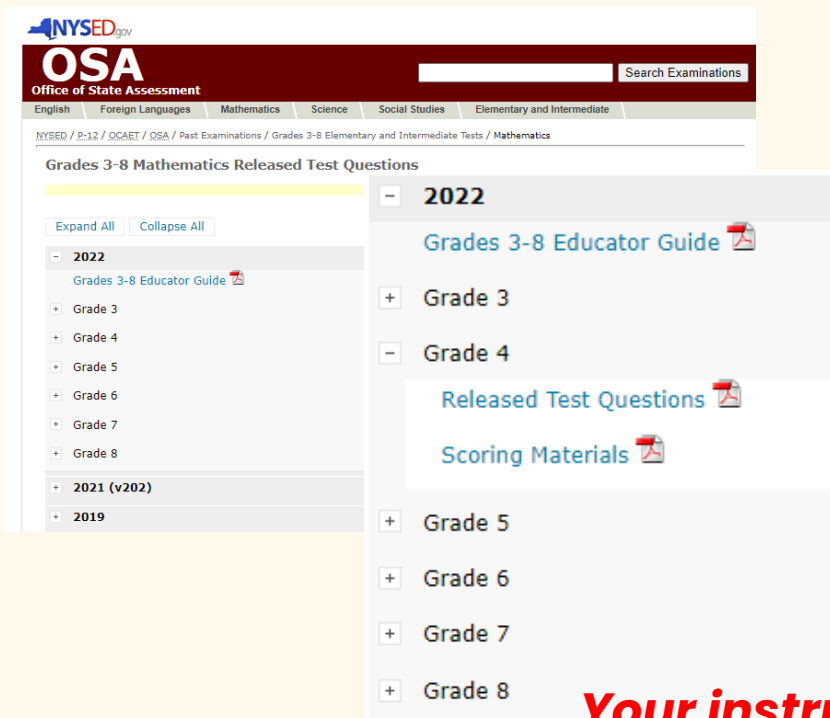
We cannot give you another one the next time you come.

**(This session
requires Grade 6-8
Kit)**



Never too early to practice for the State Assessments!

As parents, you have access to released state test questions and answer keys that you can use with your children at home in preparation for the exams. Here is how you can access everything!



The screenshot shows the NYSED.gov website. The header includes the NYSED logo and the text 'Office of State Assessment'. Below the header is a navigation bar with links for English, Foreign Languages, Mathematics, Science, Social Studies, and Elementary and Intermediate. The main content area is titled 'Grades 3-8 Mathematics Released Test Questions'. On the left, there is a sidebar with a tree view showing the year 2022 selected, and a list of grades from 3 to 8. On the right, there is a list of resources for the selected year and grade, including 'Grades 3-8 Educator Guide', 'Grade 3', 'Grade 4', 'Released Test Questions', 'Scoring Materials', 'Grade 5', 'Grade 6', 'Grade 7', and 'Grade 8'.

1. Click [HERE](#)
2. Select a year.
3. Select your child's grade.
4. Select 'Released Test Questions' for old test items and answers to all Multiple Choice.
5. Select 'Scoring Materials' for solutions and scores to all Constructed Response.

Your instructor will demonstrate how to access!

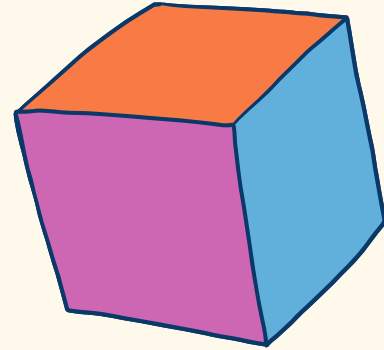


Let's do some math!

When students take assessments, they need to think critically about what strategies they need to use to solve problems. Let's try that ourselves!

There are red tiles and blue tiles in a box. The ratio of red tiles to blue tiles is 3 : 5. There are 12 more blue tiles than red tiles in the box. How many red tiles are in the box?

- A 18
- B 20
- C 30
- D 48



Using tools from your toolkit, what strategies can you think of to solve this problem? **Try them!**



Let's do some math!

When students take assessments, they need to think critically about what strategies they need to use to solve problems. Let's try that ourselves!

A recipe uses $1\frac{1}{4}$ cups of milk to make 10 servings. If the same amount of milk is used for each serving, how many servings can be made using 1 gallon of milk?

Show your work.

1 cup = 8 fluid ounces

1 pint = 2 cups

1 quart = 2 pints

1 gallon = 4 quarts

1 gallon = 3.785 liters

1 liter = 0.264 gallon


1 liter = 1,000 cubic centimeters

Using tools from your toolkit, what strategies can you think of to solve this problem? **Try them!**



Questions/Topics/Suggestions for Future Sessions!

What topics are your children learning now that they are struggling with and you need more tools to support?

You can include this in your feedback and share with your instructor so that they get incorporated into the next session: 4/15/23 

Please give us feedback!

