



BBILY

Bilingual/Biliterate Instruction for Bilingual Youth

Welcome to Workshop #4 of BBILY Mathematics: Modeling Mathematics

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Agenda

- Homework- Sharing of Workshop #3 Tasks with your child(ren)
- Caregiver and Teacher Introductions
- Video – Math is a Wonderful Thing
- Which One Does Not Belong Task
- Puzzle Task
- Math Modeling Task
- Homework for Workshop #4



Getting to know Each Other

- Caregivers: Please share the following information with the teachers:
- Your name
- How many children you have and their age
- The school your child(ren) attend
- One fun fact about yourself



Getting to Know Each Other

- Teachers: Please share the following information with the caregivers:
- Your name
- The school where you teach and the grade level
- One fun fact about yourself



Time to share

What would you like to share with the group?

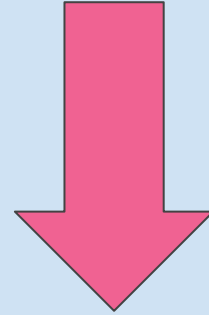
- Sharing of the Geometry in the Real World video with your child(ren).
- Walk in your neighborhood and community with your child(ren) to identify geometrical shapes they see.
- Geometry newspaper task or a 2D object or creature on paper.
- Examples of support of your child's/children's mathematical learning while at the same time support their mathematics language development in Spanish and English.
- Homework Support



Math is a Wonderful Thing



Please watch this video





Discussion of the video

Discuss with a partner:

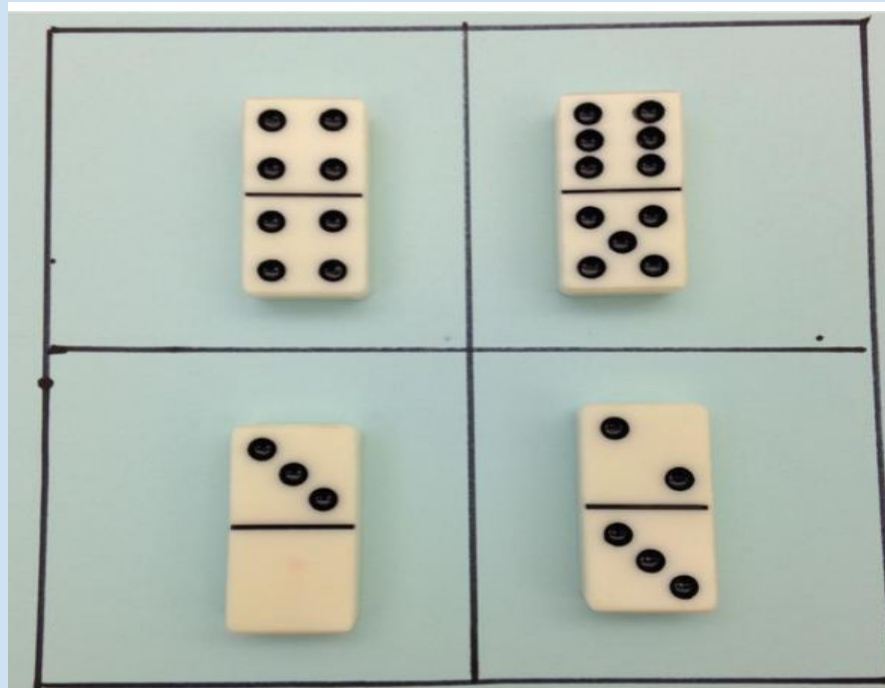
- Your ideas/thoughts about the video?
- How do you see “Math as a Wonderful Thing?”



Which one does not belong?

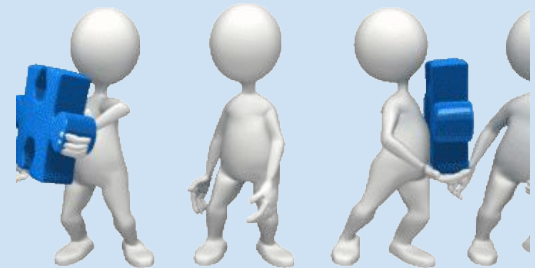
9	16
25	43

Lets do one more...



Puzzle Task

- Take your index card and make one cut so that you have two pieces.
- Shuffle the two pieces and pass both pieces to the person on your right.
- Put together the two pieces you just received.
- **Note: No one can touch another person's puzzle pieces once they receive them from the person on their left**



Puzzle Task

- Make another cut and shuffle the pieces. How many pieces does your puzzle have now?
- Pass all the pieces to the person on your right.
- When you receive your new puzzle, put it together. Then make another cut when the workshop leader tells you to do so. Then shuffle the pieces and pass the puzzle to the person on your right.
- Continue to solve each puzzle you receive, make additional cuts, and pass your puzzle to the person on your right when the workshop leader tells you to do so.



Puzzle Task Reflection

- What helped you to be able to solve each puzzle you received?
- What did you notice about yourself and others as you worked on each puzzle?



Math Modeling Task - The Popcorn Party



Your class is having a movie night for students and their families. You will serve popcorn as a snack. You will get giant bags of popcorn to share and scoop out servings for each person.

How many giant bags of popcorn does your class need for the movie night?

You need to make sure there is enough popcorn, but not a lot of leftover popcorn.

Make a plan for how to share the popcorn.

Your plan to must show how:

- everyone gets enough popcorn
- it is a fair plan
- you can use the plan in other sharing situations

You can use pictures, numbers and words in your plan.

Questions to think about:

- What do you know?
- What do you need to find out?
- What do you need to *assume*?

Math Modeling Task - The popcorn Party

- Working in teams of four (two caregivers and two teachers) decide how much popcorn is needed for a class movie night.
- Each team will choose a team name.
- Each team will create a large poster that demonstrates their decision in determining how much popcorn they need.
- Each team will list the mathematics vocabulary they used in completing the task on the poster.
- Each team will share their completed work with the whole group.



The Popcorn Task Reflection

- Discuss the experience of working together as caregivers and teachers.
- What did you learn about working together as caregivers and teachers?
- How might this experience inform your future interactions of working with your child's teacher/students' caregivers?



Homework Suggestions



- Do the puzzle task with your family at home.
- Engage in the popcorn party task with your child(ren) or a similar task that may be of more interest to their child(ren) to gain an understanding of how your child(ren) might solve an open-ended modeling task.
- We encourage the teachers to do these tasks with your students in your classrooms as well.



Thank you for your participation!



GRACIAS

- We hope to see you all at our Workshop #
- Remember that MATH IS FUN and that we can ALL learn math!