

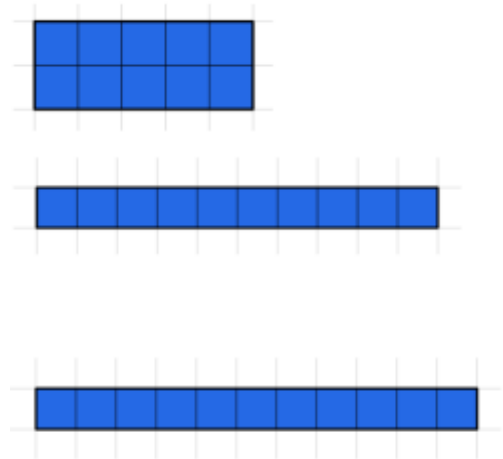
Dear Families,

As we launch the school year together, we begin to build our math community. Some of our learning will happen virtually, through live sessions, digital videos, and online tools. Some of our learning will happen offline and at home.

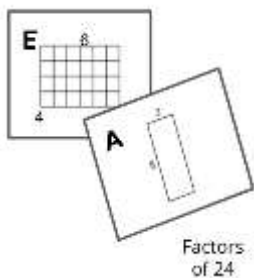
In Unit 1, students learn about factors and multiples of numbers by using what they already know about multiplication and division and about the area of rectangles.

By the end of Unit 1, students will have experiences with:

- Using the side lengths and area of rectangles to understand factors and multiples.
- Finding factor pairs of numbers 1-100 (for example, recognizing that 5 and 2 are a factor pair of 10).
- Identifying numbers as **prime** or **composite** based on their factor pairs (for example, identifying 11 as a prime number because 11 and 1 are its only factor pair).



As students explore the concept of factors and multiples, consider asking the following questions:



- How did you know this number was a factor of that number?
- How did you know this number was a multiple of that number?
- What is the relationship between factors and multiples?
- Is the number prime or composite? How do you know?

Throughout the unit you will find continual opportunities to check in on the math your student knows and is able to do around the concepts in the unit. Each opportunity serves to further our

positive connection to the world of math and should not be approached with worry or pressure. Your observations and questions about your student's thinking will be incredibly helpful to me as we work together during the year.

Throughout the unit, it is important that as you work with your student that you allow them to have moments of productive struggle, a chance to use what they already know to make sense of, and work through, the task at hand. Please do not rush to jump in and solve the problem for your student. Instead, ask questions to help them with their sense-making:

- What do we know? What are we trying to figure out?
- Can you explain your strategy to me?
- What part feels difficult or challenging?
- What do we know that can help us?

We hope the invitations for conversation and play throughout the unit, will result in many fun and unexpected discoveries together. More than anything, we hope this unit will help to build a positive connection to the world of math and show that math is all around us and for all of us.