

MATH 3RD GRADE

THIRD NINE WEEKS



What will my child be learning during the third nine weeks of school?

- Determine the area of rectangles using multiplication.
- Determine the perimeter of a polygon.
- Determine the missing side length of a polygon when given the perimeter and remaining sides.
- Compare two fractions with the same numerator or denominator using reasoning.
- Represent equivalent fractions with denominators of 2, 3, 4, 6, and 8 using objects and pictorial models, including number lines
- Solve problems in all operations using the UPS✓ model



Academic Vocabulary

- | | |
|------------------|--------------------------|
| ■ Area/Perimeter | ■ Multiplication |
| ■ Area model | ■ Side |
| ■ Dimensions | ■ Denominator/Numerator |
| ■ Length/Width | ■ Greater than/Less than |
| ■ Square units | ■ Part of the whole |
| ■ Array | ■ Size of the whole |
| ■ Column/Row | ■ Equal shares |
| ■ Factor/Product | ■ Equivalent fraction |



Developing Mathematical Fluency

- Measure area and perimeter of composite rectangles.
- Determine what unit of measurement makes the most sense when measuring an object (both customary and metric).
- Identify ways that fractions are used in real life.
- Place fractions on a numberline and explain why the fraction was placed in that location.
- Show $\frac{2}{3}$ as many different ways as you can.



Conversation Starters

- How does multiplication relate to finding the area of a rectangle?
- How does perimeter and area relate? How are they different? Can they be the same value? What is an example?
- What is the difference between metric and customary measurements?
- How do you use reasonableness to determine which fraction is larger when they both have the same numerator or denominator?
- How do you know when a fraction is equivalent to a whole number?
- How many ways can you decompose $\frac{3}{4}$?
- How many ways can you represent $\frac{2}{6}$?



