

Name _____

Analyze and Use Proportional Relationships

Dear Family,

Your child is learning to solve problems involving proportional relationships. He or she is learning how to identify and use unit rates, determine whether relationships are proportional, and use proportional thinking.

Here is an activity you can do with your child to help him or her develop fluency with proportional relationships.

Finding the Unit Rate

Materials: number cube

Step 1 Roll a number cube three times. Write 1 two-digit number and 1 one-digit number using the digits you rolled.

Step 2 Write a ratio using the two numbers, such as $\frac{26}{4}$.

Step 3 Find the corresponding unit rate, and suggest a situation where that unit rate might be found. For example, 4 movie tickets cost \$26, so the unit rate is \$6.50 per ticket. Your child may need to round the unit rate.

Step 4 Write an equation for the proportional relationship you found.

Observe Your Child

Focus on Mathematical Practices

Make sense of problems and persevere in solving them.

Help your child become proficient with this Mathematical Practice. Have your child explain what the initial ratio means and describe how the unit rate expresses the same idea in a different way.