

Objective

By the end of this lesson, Daniel will be able to understand the relationship between fractions and decimals, convert between the two, and apply these concepts in fun, real-life situations.

Materials and Prep

- Paper and pencil for writing
- A timer (can use a clock or phone)
- Access to a calculator (optional)
- Some snacks (like pizza or fruit) for a fun fraction activity

Before the lesson, review the basic definitions of fractions and decimals. Make sure Daniel understands what a fraction is (like $\frac{1}{2}$) and what a decimal is (like 0.5).

Activities

• Fraction Pizza Party:

Use snacks to create a "pizza" with different toppings. Cut the pizza into slices to demonstrate fractions. For example, if you have a pizza cut into 8 slices and Daniel eats 2, ask him what fraction of the pizza he ate ($\frac{2}{8}$ or $\frac{1}{4}$).

• Decimal Dive:

Write down several fractions on paper and have Daniel convert them to decimals. For example, ask him to convert $\frac{1}{4}$ into a decimal. He can use a calculator or do it by hand.

• Fraction and Decimal Race:

Set a timer for 5 minutes and see how many fraction-to-decimal conversions Daniel can complete. Make it a fun competition by timing each other!

• Real-Life Fractions:

Talk about real-life examples of fractions and decimals, like measuring ingredients for a recipe or dividing money. Ask Daniel to think of situations where he might use fractions or decimals.

Talking Points

- "A fraction shows how many parts of a whole we have. For example, if a pizza is cut into 4 slices and I eat 1, I have eaten $\frac{1}{4}$ of the pizza!"
- "Decimals are another way to show parts of a whole. For example, $\frac{1}{2}$ is the same as 0.5!"
- "When we convert fractions to decimals, we are just changing how we see the same amount!"
- "You can find fractions and decimals everywhere, like when you share snacks or count money!"
- "Let's practice converting some fractions to decimals together. It's like a puzzle!"
- "Remember, the top number of a fraction is called the numerator, and the bottom number is called the denominator!"
- "When we eat part of something, we can express it as a fraction or a decimal. Both are cool!"
- "It's fun to see how fractions and decimals can help us in everyday life. Let's think of more"

examples!"