N001: Learn that fractions represent equal sharing of whole units among people.

Pages 151-153
Textbook Content: Opening dialogue between Shabnam and Mukta about sharing rotis equally. Introduction to fraction notation 1/2, 1/4. Comparison of unit fractions showing that more sharers means smaller shares.

Learning Goal: Students understand that fractions represent equal parts of a whole and can compare simple unit fractions.

Explanation:

Fractions are Just Pizza Slices!

Imagine you have a whole pizza in front of you.

What's a Fraction?

A fraction is just a way to talk about pieces of something whole. When we share a pizza by cutting it into equal pieces, each piece is a fraction of the whole pizza.

Let's Cut Some Pizza!

🍕 **Cut into 2 pieces:** Each piece = 1/2 (say "one half")

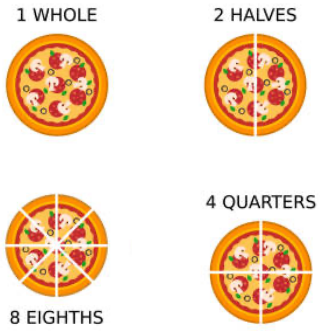
- You get a nice big slice!

🍕 **Cut into 4 pieces:** Each piece = 1/4 (say "one fourth")

- Still a good size slice

🍕 **Cut into 8 pieces:** Each piece = 1/8 (say "one eighth")

- Now the slices are getting smaller!



Reading Fractions is Easy!

In 3/4:

- Top number (3) = How many slices you took
- Bottom number (4) = How many slices the pizza was cut into
- So 3/4 means: "I took 3 slices from a pizza cut into 4 pieces"

So Which Slice is Bigger?

Think about it: If you're really hungry, would you rather have 1/2 of a pizza or 1/8 of a pizza?

1/2 is bigger! Because when you cut a pizza into only 2 pieces, each piece is much bigger than when you cut it into 8 pieces.

Quick Trick: The bigger the bottom number, the smaller the piece!

Try This: If you and 3 friends share a pizza equally, each person gets 1/4. But if just you and one friend share it, each gets 1/2. Who gets more pizza?

So what is the definition of a 'Fractional Unit' or 'Unit Fraction'?

A **fractional unit** is what you get when you divide 1 whole thing into equal parts and take just ONE of those parts.

In simple words: It's a fraction with 1 on top!

Examples:

⏰ **Time Fractions**

Every hour has 60 minutes to divide!

⏰ **Quarter past:** 15 minutes = 15/60

- The minute hand moved from 12 to 3

⏰ **Half past:** 30 minutes = 30/60

- The minute hand is pointing at 6 now

⏰ **Three-Quarters Past:** 45 minutes = 45/60

- The minute hand is now at 9 !

Did you notice?
Could we have written the same fractions as 3/12, 6/12, 9/12 as well (because those are the numbers on the clock?) 🤔🤔