

Understanding Fractions

Name:

Date:

INQUIRY

In Korean culture, rice cakes (tteok) are cut into equal pieces to share fairly. If you cut a rice cake into 8 pieces and take 3, what fraction do you have?

Discuss with your partner. Write your initial ideas below:

Key Vocabulary

Term	Definition
Fraction	Part of a whole: numerator / denominator.
Numerator	Top number — how many parts you have.
Denominator	Bottom number — total equal parts.

Part A — Basics

1. Shade $\frac{3}{8}$ of a rectangle divided into 8 parts. Write two equivalent fractions. [3 marks]

2. Simplify: (a) $\frac{6}{12}$ (b) $\frac{15}{20}$ (c) $\frac{24}{36}$. [3 marks]

Show your working:

3. Convert to improper fractions: (a) 2 and $\frac{3}{4}$ (b) 5 and $\frac{1}{3}$. [2 marks]

Show your working:

Part B — Comparing

4. Which is larger: $\frac{3}{7}$ or $\frac{5}{12}$? Show working. [2 marks]

5. Order from smallest: $\frac{1}{2}$, $\frac{3}{8}$, $\frac{2}{5}$, $\frac{7}{10}$. [2 marks]

Part C — Real World

6. A mooncake is cut into 8 pieces. You eat 3 pieces, your friend eats 2. (a) What fraction did each person eat? (b) What fraction is left? [3 marks]