

Equivalent Fractions

Name:

Date:

INQUIRY

Is getting 3 out of 4 the same as getting 75 out of 100 on a test? How do you know?

Discuss with your partner. Write your initial ideas below:

Key Vocabulary

Term	Definition
Equivalent fractions	Fractions with the same value: $1/2 = 2/4 = 3/6$.
Simplest form	When numerator and denominator share no common factors.

Part A — Finding Equivalents

1. Find 3 equivalent fractions for: (a) $2/3$ (b) $5/8$. [3 marks]

Show your working:

2. Simplify fully: (a) $12/18$ (b) $25/35$ (c) $48/60$. [3 marks]

Show your working:

Part B — Application

3. At NIS, 15 out of 25 students prefer basketball. Simplify this fraction. What percentage is this? [2 marks]

Show your working:

4. In a Korean survey, 240 out of 400 people preferred kimchi jjigae over doenjang jjigae. Simplify. What fraction preferred doenjang jjigae? [3 marks]

Show your working: