GRADE 6 MATHEMATICS

Multiplying & Dividing Fractions

Name: Date:

INQUIRY

A Chinese recipe serves 4 people but you need it for 6. You need to multiply every ingredient by 6/4. Can you do that?

Discuss with your partner. Write your initial ideas below:

Key Vocabulary

Term	Definition
Multiply fractions	Multiply numerators, multiply denominators.
KCF	Keep-Change-Flip for dividing fractions.

Part A — Multiplying

1. Calculate: (a) 3/4 x 2/5 (b) 5/6 x 3/10 (c) 2/3 x 9. [3 marks]

Show your working:

2. Find 2/3 of 45. [1 marks]

Show your working:

Part B — Dividing

3. Calculate: (a) 4/5 / 2/3 (b) 7/8 / 1/4 (c) 3 / 3/4. [6 marks]

Show your working:

Part C — Application

4. A recipe uses 2/3 cup of rice. You want to make 1.5x the recipe. How much rice? [2 marks]

Show your working:

5. A 3/4 m length of Korean silk is cut into pieces of 1/8 m each. How many pieces? [2 marks]

Show your working: