Use Strategies to Divide Fractions

**RULES**

*Less Is More* (Level 3)

**What You Need**
- *mSpace* pages 86–89
- number cube (green, 1–6)

**What to Know**
- If a player rolls three of the same number, roll again.
- Partners record their quotients and their partner's quotients.

**How to Win**
- The player with the lesser quotient scores one point.
- The player with the most points after five rounds wins.

**HOW TO PLAY**

**STEP 1** Roll the number cube three times.

- Player A
  - 4
  - 5
  - 3

- Player B
  - 2
  - 6
  - 5

**STEP 2** Create two fractions less than 1.

- Player A
  - \[ \frac{4}{5} \times \frac{1}{3} = \]

- Player B
  - \[ \frac{2}{3} \times \frac{1}{6} = \]

**STEP 3** Divide the fractions. Record your quotient and your partner's quotient.

- Player A
  - \[ \frac{4}{5} \div \frac{1}{3} = \frac{12}{15} \div \frac{5}{15} = 2 \frac{2}{5} \]

- Player B
  - \[ \frac{2}{3} \div \frac{1}{6} = \frac{4}{6} \div \frac{1}{6} = 4 \]

**STEP 4** Compare your quotient with your partner's quotient.

- Player A
  - \[ 2 \frac{2}{5} < 4 \]
  - MY POINTS: 1

- Player B
  - \[ 4 < 2 \frac{2}{5} \]
  - MY POINTS: 0

*MATH 180* Block 6 Topic 3