

Getting to the Core

Grade 5 Unit of Study

Multiplication and Division of Fractions

Teacher Group Materials

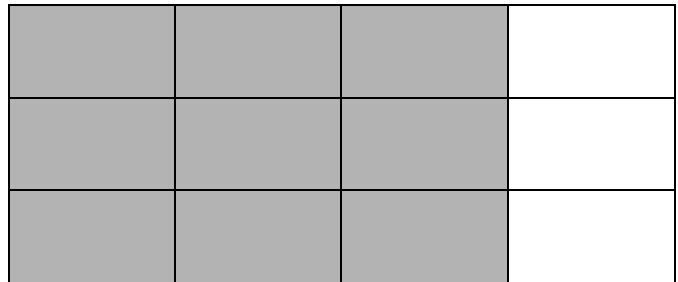
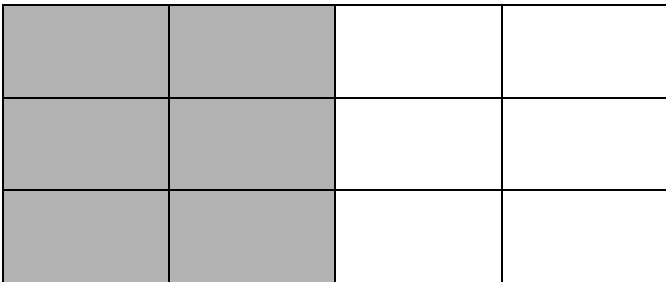
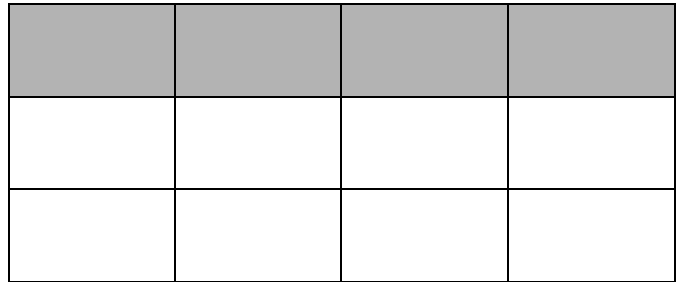
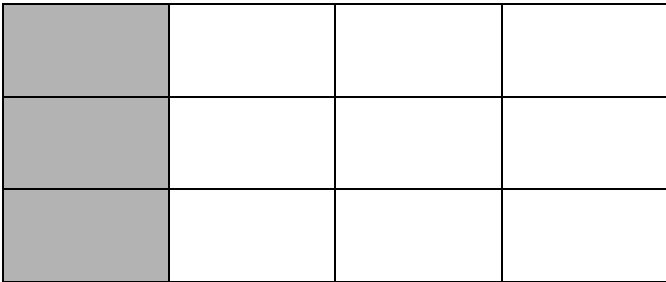
Fraction Match

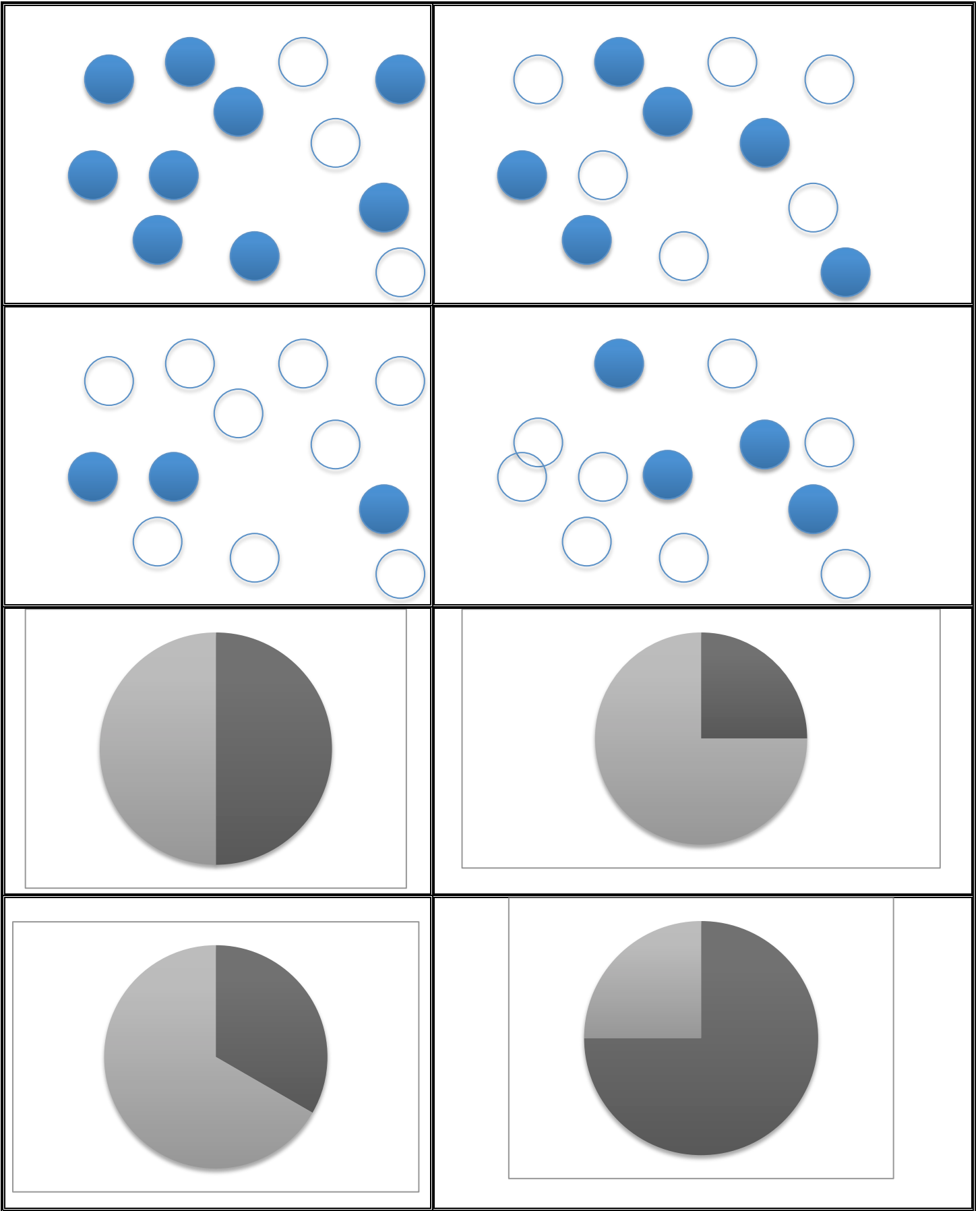
One half

One third

$$\frac{1}{4}$$

$$\frac{3}{4}$$





The Multiplying Game

You need:
a partner
a die

Rules

1. You need a game board with three rounds like this.

$$\frac{\square}{\square} \times \frac{\square}{\square} = \qquad \frac{\square}{\square} \times \frac{\square}{\square} =$$

2. Players take turns rolling the die and writing the number in one of their spaces for that round. Once a number is written, it cannot be changed. The boxes to the side are reject boxes that give one chance to write a number that you don't want to use in the problem.
3. After writing a number, pass the die to the other player.
4. Play until both players have recorded two fractions. (Your reject box may be empty if you used your first four numbers for the fractions.)
5. Multiply your two fractions. Check each other's answers.
6. The winner of the round is the player with the smaller product. Explain how you know which answer is smaller.
7. Play three rounds.