

Lesson 9: Multiplication Game Day

- Let's play multiplication games.

Warm-up: Number Talk: Multiplying Large Factors

Find the value of each expression mentally.

- 4×10

- 4×20

- 4×21

- 4×24

9.1: Introduce Rectangle Rumble and How Close?

Directions for Rectangle Rumble:

- Choose a color for your rectangles different from your partner.
- Each partner:
 - Spin each spinner.
 - Shade in a rectangular area to represent the product of the two numbers.
 - Take turns until the grid can't fit any more rectangles.
- Add up your total area. The partner with the greatest total square units wins.

Directions for How Close?:

- Each partner:
 - Take 4 cards.
 - Choose 2–3 cards to multiply.
 - Write an equation to show the product of the numbers you chose.
 - Your score for each round is the difference between your product and 100.
- Take new cards so that you have 4 cards to start the next round.
- At the end of the game, add your scores from each round. The player with the lowest score wins.

9.2: Choice Time: Multiplication Games

Choose a center to practice multiplying within 100.

- Compare, Multiply within 100: Decide which expression has the greatest value.
- How Close? Multiply to 100: Choose 2–3 numbers to multiply to get a product closest to 100.
- Rectangle Rumble, Factors 1–10: Multiply numbers to create rectangular areas to fill a grid with the most squares.