

## Grade 3 Unit 8

### Lesson 9

CC BY 2021 Illustrative Mathematics®

## Unit 8 Lesson 9: Multiplication Game Day

### WU Number Talk: Multiplying Large Factors (Warm up)

#### Student Task Statement

Find the value of each expression mentally.

- $4 \times 10$
- $4 \times 20$
- $4 \times 21$
- $4 \times 24$

### 1 Introduce Rectangle Rumble and How Close?

#### Student Task Statement

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.

---

## 2 Choice Time: Multiplication Games

### Student Task Statement

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.