## 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.



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