Unit 8, 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

Activity 1

Introduce Rectangle Rumble and How Close?

Directions for Rectangle Rumble:

- Both partners choose a different color to write with.
- On your turn:
  - Spin the spinner and roll the number cube. The 2 numbers you spin will be your 2 factors.
  - Shade in a rectangular area to represent the product of your 2 factors.
  - If your product won't fit on the gameboard, spin again.
  - Take turns until the grid can’t fit any more rectangles.
- Find the total area you shaded. The partner with the greater total area wins.

Directions for How Close?:

- Remove the cards that show 10 and set them aside.
- On your turn:
  - Take 4 cards.
  - Choose 2 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 lower score wins.

Activity 2

Choice Time: Multiplication Games

Choose a center to practice multiplying within 100.

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