

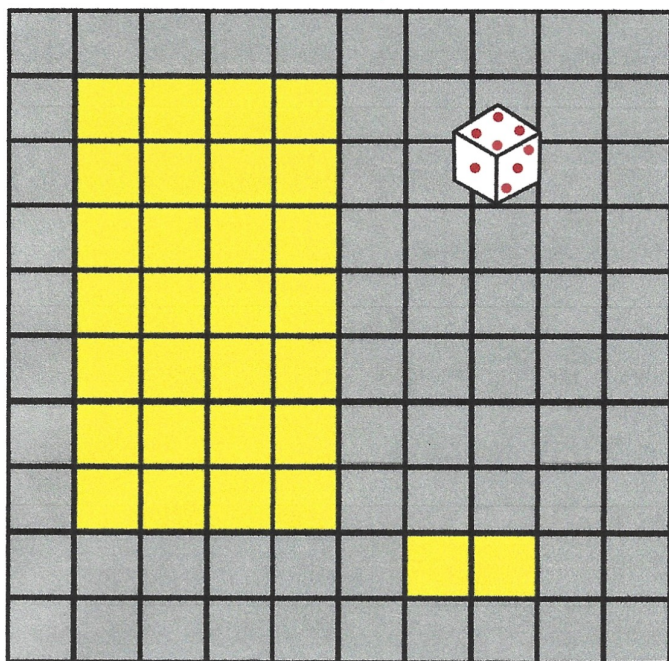
## What's Leftover?

**Purpose** to introduce long division with or without remainders

**Materials** Geo Data Cards (30 cards of one color)  
The Learning Carpet  
6-sided cube, the one dot is Wild (student chooses 2-6)

### Directions

Roll the cube to find the divisor. Build an array with 30 cards (dividend) on the carpet. Make an estimate. **Tell your thinking: I rolled a 4. 30 divided by 4...I made 4 equal columns. I see 7 in each column and two leftovers. The quotient is 7 with a remainder of 2.** Clear the carpet and repeat.



### More Ways to Play

Model basic division facts without remainders to add support.

Use a ten-sided die to find the divisor to add challenge.

Create classroom kits and use square tiles to practice with partners.

Once the idea of leftover/remainder is understood, interpret the remainder (use as a fraction or decimal, add one to the quotient, ignore the remainder, use only the remainder) to add challenge.