

Opportunities to Multiply



- Combining Equal Groups
- Counting Items in Rectangular Arrays
- Finding Areas of Rectangles
- Mixing and Matching
- Using Unit Rates
- Comparing with Multiplication

Combining Equal Groups

Key Elements

- Items are arranged in equal sized groups

Visual Representation

- Shows copies of the same picture

How many balloons do you need to inflate?



Counting Items in Rectangular Arrays

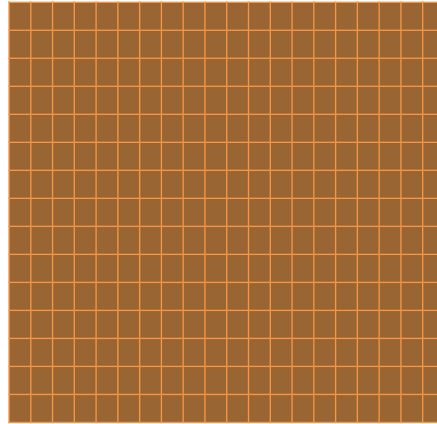
Key Elements

- Items are arranged into rows and columns that form a rectangle

Visual Representation

- Shows objects arranged into the rows and columns of a rectangle

How many brownies do you need to wrap and price?



Finding Areas of Rectangles

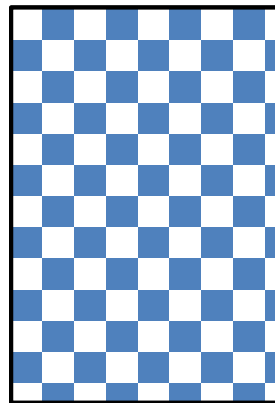
Key Elements

- Need to find the number of square units to cover a rectangle

Visual Representation

- Shows a rectangle covered by squares

What is the area (in square feet) of the grocery's break room?



Mixing and Matching

Key Element

- Two sets of choices are being paired

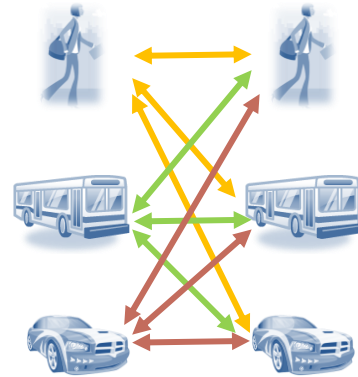
Visual Representation

- Shows sets with lines connecting every item in one set with every item in another set

How many possible ways are there to get to and from work?

Going to Work

Leaving Work



Using Unit Rates

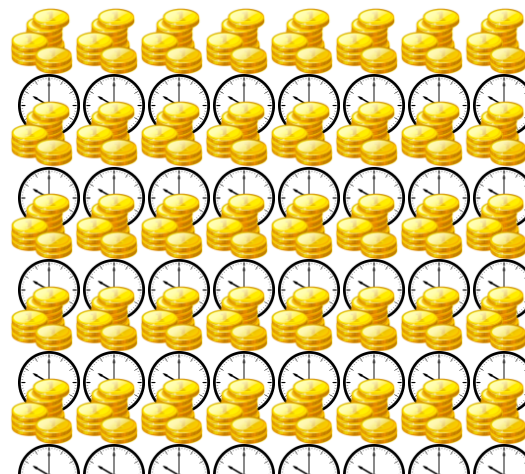
Key Elements

- Given the unit rate and the number of times unit rate occurs

Visual Representation

- Shows copies of a quantity compared to ONE UNIT of a second quantity

How much money do you earn each week before "deductions"?



Comparing with Multiplication

Key Elements

- Compares quantities by a scale or factor

Visual Representation

- Shows copies of one quantity to compare a second quantity

What is a living wage in New Jersey for one adult and one child?

