

Contents

Welcome to the *Arrive Math Games Kit*. This kit includes 54 unique games that utilize engaging game boards and manipulatives. The kit includes two full sets of game materials allowing two groups of four students to play at the same time. Let's explore all of the components.

What is in the Games Kit?

Manipulatives

Top Drawer:

Fraction Tiles (8 sets),
Number Cards (6 sets),
Number Cube 1-6 (1 set),
Number Cube 7-12 (1 set),
Pattern Blocks (1 set),
Pawns (2 sets),
Spinner 1-4 (2),
Transparent Spinner (2)

Middle Drawer:

Color Tiles (4 sets),
Counters (6 sets),
Linker Cubes (1 set)

Bottom Drawer:

Base Ten Flats (3 sets),
Base Ten Rods (3 sets),
Base Ten Units (3 sets)

Resource Guide

The Resource Guide provides an overview to get you started with the *Arrive Math Games Kit*. It includes:

- List of Games
- Math Focus
- Implementation suggestions
- All supporting Blackline Masters for game play

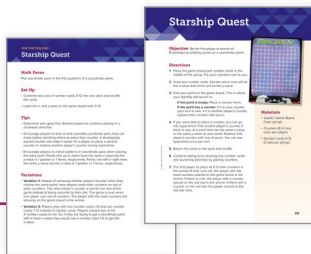


Instruction Cards

(2 sets of 54)

Each Instruction Card provides:

- Directions for game play
- Materials list
- Teacher tips
- Game variations



Game Cards

(2 sets of 2)

The game cards correspond to the Creature Cavern and Urban Trek game boards to support game play.



Game Boards

(7 game boards, 2 copies each)



List of Games

Level	Strand	Math Focus	Game Title
A	Number and Quantity	Count on to 100.	Tunnel to 100
A	Operations	Practice fluency with addition facts to five and count on to 20.	20 Buckets
A	Algebraic Thinking	Solve addition problems within 10 with objects.	How Many Now?
A	Measurement	Describe and compare the measurable attribute of height.	Tallest Tower
A	Geometry	Create composite shapes.	Shape Builder
A	Statistical Analysis	Classify objects and count the number within each category.	Shape Collector
B	Number and Quantity	Understand place value to 100 by skip counting by tens and ones.	Pony Express
B	Operations	Add and subtract to 10.	Race To the Rescue
B	Algebraic Thinking	Represent and solve problems involving addition.	Going Shopping
B	Measurement	Measure length using nonstandard objects.	Mystery Measuring
B	Geometry	Identify shape attributes and create composite shapes.	Fill It Up
B	Statistical Analysis	Record and interpret data in a bar graph.	Drop the Counter
C	Number and Quantity	Regroup to understand place value to three digits.	500 Here I Come!
C	Operations	Add and subtract to solve problems to 100.	100 Buckets to Victory
C	Algebraic Thinking	Solve word problems involving addition and subtraction to 100.	Gopher It!
C	Measurement	Estimate the length of paper strips, and then measure them in inches.	Measurement Hunt
C	Geometry	Recognize shapes by their attributes.	Shape Bingo
C	Statistical Analysis	Create and interpret bar and picture graphs that represent data sets.	Fruit Collector
D	Number and Quantity	Build fractions equivalent to one.	Trek to 1
D	Operations	Multiply within 36.	Space Pioneer

Level	Strand	Math Focus	Game Title
D	Algebraic Thinking	Identify and explain arithmetic patterns in multiplication up to 10×10 .	Riddles in the Labyrinth
D	Measurement	Use multiplication to find the areas of rectangles and non-overlapping composite shapes.	Master Builder
D	Geometry	Use attributes to build quadrilaterals, such as parallelograms, squares, rectangles, rhombuses, and trapezoids.	Four Sides of Victory
D	Statistical Analysis	Construct and interpret scaled bar graphs representing word problems.	A Scaly Situation
E	Number and Quantity	Compare two multi-digit numbers.	A-Mazing Place Value
E	Operations	Find the sum of two fractions.	Fraction Frenzy
E	Algebraic Thinking	Use factors and products to create multiplication equations.	Multiplication Jumble
E	Measurement	Convert larger measurement units into smaller measurement units.	Goo-d Alien Research
E	Geometry	Identify attributes of shapes.	Attribute Bingo
E	Statistical Analysis	Plot measurements to eighths and interpret the differences between measurements using a line plot.	Collector Challenge
F	Number and Quantity	Write decimal numbers in expanded form.	Expanding Trek
F	Operations	Find the sum of two fractions.	Win Sum Lose Sum
F	Algebraic Thinking	Write and evaluate algebraic expressions.	The Great Expression Trek
F	Measurement	Use the volume formula to calculate the volume of rectangular prisms.	Volume Builder
F	Geometry	Plot coordinate pairs in the first quadrant of a coordinate plane.	Starship Quest
F	Statistical Analysis	Make line plots to display data to eighths.	Got the Plot?

Level	Strand	Math Focus	Game Title
G	Number and Quantity	Find the greatest common factor of two whole numbers.	Greatest Common Foe
G	Operations	Understand positive and negative numbers and plot them on a number line.	Climbing Capture
G	Algebraic Thinking	Understand the concept of ratio and unit rate.	Ratio Bingo
G	Measurement	Find the areas of shapes.	Area Trek
G	Geometry	Find the surface area of three-dimensional figures.	Creatures Under the Surface
G	Statistical Analysis	Understand and calculate measures of center.	Don't Be Mean, Data!
H	Number and Quantity	Apply and extend understanding of rational numbers.	Absolutely Rational
H	Operations	Evaluate expressions using properties of operations.	Expression Expert
H	Algebraic Thinking	Analyze proportional relationships and calculate unit rates	Ratio Fishing
H	Measurement	Solve problems involving scale drawings of figures.	Scaling the Job Site
H	Geometry	Find the circumference and area of a circle given the radius.	Circle Circuits
H	Statistical Analysis	Find the median or range to compare two populations.	Star Populations
I	Number and Quantity	Approximate rational and irrational numbers.	Number Line Fill Up
I	Operations	Solve linear equations.	Counter Capture
I	Algebraic Thinking	Compare linear functions.	Functional Star Chase
I	Measurement	Apply the formulas for volumes of cones, cylinders, and spheres.	Turn Up the Volume
I	Geometry	Identify and describe transformations.	I've been Transformed!
I	Statistical Analysis	Create and interpret scatter plots.	Scattering Plots