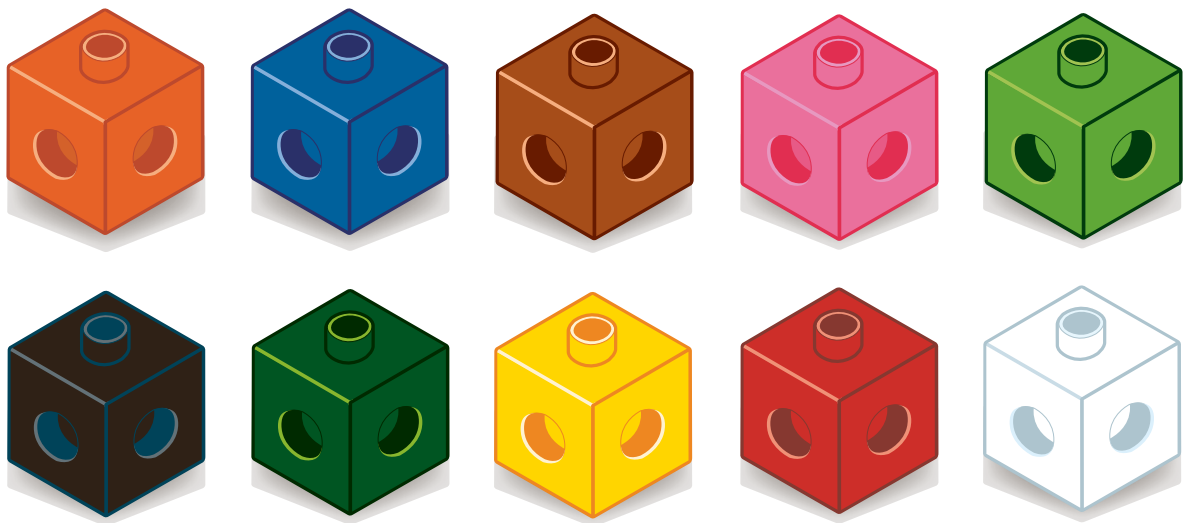


Math Tasks

with Snap Cubes[®]



Alignments

ACTIVITIES - 86580

Page	Activity Name	Description	Math Strand	Topics
12	Give Me 10!	Students will explore different ways to write equations that represent 10.	Problem Solving, Communication, Reasoning, Connections, Number	Addition, Equations, Counting
16	Closest to 100	In this game for two to four teams of two players each, Students choose single Snap Cubes or sticks of 10 Snap Cubes according to the roll of the die. They position the cubes on a 100-grid in an effort to be the ones to come closest to covering the grid.	Problem Solving, Communication, Reasoning, Connections, Number	Addition, Counting, Estimation, Place Value
20	Dividing 24	Students explore different ways that 24 Snap Cubes can be divided into equal-sized sets.	Problem Solving, Communication, Reasoning, Connections, Number	Counting, Division, Patterns
24	How Long Is It?	Students estimate the length of various classroom objects in terms of Snap Cubes. Then they measure the objects with Snap Cube trains and compare their estimates to the actual measurements.	Problem Solving, Communication, Reasoning, Connections, Geometry, Logic, Measurement, Number	Counting, Estimation, Non-Standard Measurement, Subtraction
28	How Many Trains?	Students build as many three-cube trains as they can using two colors of Snap Cubes.	Problem Solving, Communication, Reasoning, Connections, Number, Probability /Statistics	Comparing, Counting, Patterns, Permutations
32	Make a Copy	Students build a Snap Cube structure and describe it to a partner so that the partner can build an identical structure.	Problem Solving, Communication, Reasoning, Connections, Geometry	Congruence, Following Directions, Spatial Visualization
36	Mirrored Images	Students build a Snap Cube structure, place it along the fold of a piece of grid paper, trace around it, and cut out the shape to create a symmetric design. Then they challenge their partner to create the mirrored image of their structure.	Problem Solving, Communication, Reasoning, Connections, Geometry	Spatial Visualization, Symmetry
40	Adding Machines	Students will roll dice then build and record a number sentence using the Snap Cubes to represent the numbers rolled.	Problem Solving, Communication, Reasoning, Connections, Number	Addition, Comparing, Counting, Place Value
44	On the Meter Mark	Students build Snap Cube trains that are at least one meter long by repeatedly rolling a pair of dice to find the number of cubes to add to the train.	Problem Solving, Communication, Reasoning, Connections, Measurement, Number, Probability/Statistics	Counting, Mental Math, Probability

ACTIVITIES - 86580

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48	Puzzles	Students estimate, then find the number of Snap Cubes required to cover the areas of the figures.	Problem Solving, Communication, Reasoning, Connections, Geometry, Measurement, Number	Area, Comparing, Counting, Estimation
52	Red or Blue?	In this game for two players, Students draw Snap Cubes from a bag and collect the cubes according to the color they have been assigned.	Problem Solving, Communication, Reasoning, Connections, Probability/Statistics	Comparing, Experimental Probability, Interpreting Data
56	Showing One Half	Students use two different colors of Snap Cubes to build a design in which each colored section represents one half of the design.	Problem Solving, Communication, Reasoning, Connections, Geometry, Number	Comparing, Counting, Fractions, Sorting
60	Sneak a Peek	Students take turns peeking into a box and sighting one Snap Cube at a time in order to predict how many cubes of each of two colors are in the box.	Problem Solving, Communication, Reasoning, Connections, Number, Probability /Statistics	Addition, Counting, Making Predictions, Sampling
64	Some Sums	Students use Snap Cubes to keep track of the outcomes of rolling a pair of dice.	Problem Solving, Communication, Reasoning, Connections, Number, Probability /Statistics	Addition, Counting, Making Predictions
68	10 Towers of Ten	In this game for two players, Students roll a die and choose the corresponding number of Snap Cubes in an effort to construct 10 towers of exactly 10 cubes each.	Problem Solving, Communication, Reasoning, Connections, Number, Probability /Statistics	Addition, Chance, Equations
72	The Disappearing Train	Students roll a die to determine how many cubes to remove from a Snap Cube train. They collect data about how many rolls of the die it would take to make their train disappear.	Problem Solving, Communication, Reasoning, Connections, Number, Probability /Statistics	Addition, Making Predictions, Subtraction
76	The Human Balance Scale	Students compare the weights of various objects to the weight of a block of 50 Snap Cubes. Then they sort the objects based on whether they weigh more, weigh less, or weigh about the same as the block of Snap Cubes.	Problem Solving, Communication, Reasoning, Connections, Measurement	Comparing, Non-Standard Measurement, Sorting
80	Measurement Detectives	Students will use Snap Cubes to compare “taller/shorter” and “longer/shorter,” and then compare three objects, using the cubes as a standard unit.	Problem Solving, Communication, Reasoning, Connections, Measurement	Comparing, Counting, Non-Standard Measurement, Spatial Visualization