











Glossary of Manipulatives

	<p>AngLegs® AngLegs enable students to study polygons, perimeter, area, angle measurement, side lengths, and more. The set includes 72 snap-together AngLegs pieces (12 each of six different lengths) and two snap-on View-Thru® protractors.</p>
	<p>Base Ten Blocks Base Ten Blocks include unit blocks (1 cm on a side), as well as rods that represent 10 units, flats that represent 100 units, and cubes that represent 1,000 units. They can be used to teach number and place value concepts, such as the use of regrouping in addition and subtraction. They can also be used to teach measurement concepts, such as area and volume.</p>
	<p>Centimeter Cubes These plastic cubes are 1 cm on a side and come in 10 colors. They can be used to teach counting, patterning, and spatial reasoning. They are suitable for measuring area and volume and may also be used to generate data for the study of probability.</p>
	<p>Color Tiles These 1" square plastic tiles come in four different colors: red, blue, yellow, and green. They can be used to explore many mathematical concepts, including those associated with geometry, patterns, and number sense.</p>
	<p>Deluxe Rainbow Fraction® Circles The set consists of nine color-coded, $3\frac{1}{2}$" plastic circles representing a whole, halves, thirds, fourths, fifths, sixths, eighths, tenths, and twelfths. The circles enable students to explore fractions, fractional equivalences, the fractional components of circle graphs, and more.</p>
	<p>Deluxe Rainbow Fraction® Squares The set consists of nine color-coded, 10-cm plastic squares representing a whole, halves, thirds, fourths, fifths, sixths, eighths, tenths, and twelfths. The squares enable students to explore fractions, fractional equivalences, and more.</p>

	<p>Folding Number Line This manipulative was created to help students understand the concept of rational numbers and their order on a number line. The Folding Number Line helps build an understanding of rational numbers between 0 and 1 and between 1 and 2 on a linear model. One side of the Folding Number Line shows the order of decimal numbers; the other side shows the order of fractions. Students gain an understanding of rational numbers and can extend their understanding of larger mixed numbers. On the decimal side, the Folding Number Line first shows numbers from 0 through 2 in tenths; when expanded, it shows decimal numbers in order by hundredths. When expanded, the fraction side of the Folding Number Line shows in order fractions between 0 to 1 and between 1 to 2 that correspond to, or are equivalent to, the decimals on the other side.</p>
	<p>Fraction Tower® Equivalency Cubes Fraction Tower Equivalency Cubes snap together to demonstrate fractions, decimals, and percentages. Each tower is divided into stacking cubes that represent a whole, halves, thirds, fourths, fifths, sixths, eighths, tenths, and twelfths. Each cube is labeled with the part of a whole that it represents. One side shows the fraction, another shows the decimal, and a third shows the percentage. The fourth side is blank. Students can turn the cubes or towers to see each of the representations of the same value. Towers, or portions of towers, can be compared with each other.</p>
	<p>Rainbow Fraction® Circle Rings These five plastic rings are used with the Deluxe Rainbow Fraction Circles to make measurements related to circles and fractions of circles. The set consists of a Degree Measurement Ring, a Fraction Measurement Ring, a Decimal Measurement Ring, a Percent Measurement Ring, and a Time Measurement Ring.</p>
	<p>Snap Cubes® These cubes come in ten colors and can be snapped together to build rectangular prisms and other three-dimensional shapes. They can be used to help students develop spatial sense and learn about surface area and volume.</p>
	<p>XY Coordinate Pegboard The XY Coordinate Pegboard can be used to graph coordinates in one, two, or four quadrants; show translations of geometric figures; display data in various forms; and demonstrate numerous algebraic concepts and relationships.</p>

Index

Boldface page numbers indicate when a manipulative is used in the Try It! activity.

- Addition
 - decimals, 34–41
 - fractions with unlike denominators, 48–51
- AngLegs®
 - polygons, identify and classify, 116, **117**
 - quadrilaterals, identify and classify, 112, **113**, 120
 - triangles, identify and classify, **109**
- Base Ten Blocks
 - decimals
 - add and subtract tenths, **35**
 - hundredths, **39**
 - compare, to thousandths place, 26
 - multiply and divide to hundredths, 42, **43**
 - place value to thousandths, understanding, 22, **23**
 - rounding, **31**
- Centimeter Cubes
 - coordinate plane, locate points, **97**
 - decimals, add and subtract tenths, 34
 - graph number patterns, 16
 - line plot, measurement in fractions, 82
 - volume of solids
 - composite, 90
 - rectangular, 86
- Common Core State Standards
 - 5.OA Operations and Algebraic Thinking
 - 5.OA.1, 8–11, 12–15
 - 5.OA.3, 16–19
 - 5.NBT Number and Operations in Base Ten
 - 5.NBT.1, 22–25, 26–29, 30–33
 - 5.NBT.3a, 22–25
 - 5.NBT.3b, 26–29
 - 5.NBT.4, 30–33
 - 5.NBT.7, 34–37, 38–41, 42–45
 - 5.NF Number and Operations—Fractions
 - 5.NF.1, 48–51, 52–55
 - 5.NF.2, 48–51, 52–55
 - 5.NF.3, 56–59
 - 5.NF.4a, 60–63, 64–67
 - 5.NF.4b, 64–67
 - 5.NF.5a, 68–71
 - 5.NF.6, 68–71
 - 5.NF.7a, 72–75
 - 5.NF.7b, 76–79
 - 5.NF.7c, 72–75
- 5.MD Measurement and Data
 - 5.MD.2, 82–85
 - 5.MD.3a, 86–89
 - 5.MD.3b, 86–89
 - 5.MD.4, 86–89
 - 5.MD.5a, 86–89
 - 5.MD.5b, 86–89
 - 5.MD.5c, 90–93
- 5.G Geometry
 - 5.G.1, 96–99, 100–103, 104–107, 120–123
 - 5.G.2, 96–99, 100–103, 104–107, 120–123
 - 5.G.3, 108–111, 112–115, 116–119, 120–123
 - 5.G.4, 108–111, 112–115, 116–119, 120–123
- Coordinate plane
 - follow and create directions on, 104–107
 - graphing number patterns, 16–19
 - locate points on, 96–103
- Color Tiles
 - multiply two fractions, 64
 - order of operations, **9**, 12, **13**
- Cuisenaire® Rods
 - line plot, measurement in fractions, 82
- Decimals
 - add and subtract
 - tenths, 34–37
 - hundredths, 38–41
 - compare, to thousandths place, 26–29
 - multiply and divide to hundredths, 42–45
 - place value to thousandths, understanding, 22–25
 - rounding, 30–33
- Deluxe Rainbow Fraction® Circles
 - decimals, add and subtract to tenths, 38
 - fractions
 - add with unlike denominators, 48, **49**
 - divide, unit fractions by whole numbers, 72
 - divide whole numbers by fractions, 76
 - interpret as division, 56, **57**
 - multiply by whole numbers, **61**
 - subtract with unlike denominators, 52
- Deluxe Rainbow Fraction® Squares
 - fractions
 - divide unit fractions by whole numbers, 72, **73**
 - multiply
 - two fractions, 64, **65**, 68
 - with whole numbers, 68
 - subtract with unlike denominators, **53**
- Division
 - decimals to hundredths, 42–45
 - fractions
 - interpreted as division, 56–59
 - whole numbers divided by, 76–79
 - unit fractions, by a whole number, 72–75
- Folding Number Line
 - decimals
 - comparing to thousandths place, **27**
 - rounding, 30
 - fractions interpreted as division, 56–59
- Fraction Tower® Equivalency Cubes
 - decimals, add and subtract to tenths, 35, 38
 - fractions
 - add with unlike denominators, 48
 - divide
 - unit fractions by whole numbers, 72
 - whole numbers by fractions, 76, **77**
 - interpret as division, 56
 - multiply by fractions, 68, **69**

- by whole numbers, 60, 68, **69**
- subtract with unlike denominators, 52
- line plot, measurement in fractions, 82, **83**
- Fractions
 - add, with unlike denominators, 48–51
 - divide unit fractions by whole numbers, 72–75
 - interpreted as division, 56–59
 - multiply
 - two fractions, 64–71
 - by whole numbers, 60–63, 68–71
 - subtract, with unlike denominators, 52–55
 - whole numbers divided by, 76–79
- Geoboards
 - coordinate plane, locate points, 96
 - quadrilaterals, identify and classify, 112
 - triangles, identify and classify, 108
- Geometry
 - coordinate plane
 - follow and create directions on, 104–107
 - locate points on, 96–103
 - polygons, regular, identify and classify, 116–119
 - quadrilaterals, identify and classify, 112–115, 120–123
 - triangles, identify and classify, 108–111
- Line plot, measurement in fractions, 82–85
- Measurement and data
 - line plot, measurement in fractions, 82–85
 - volume of solids
 - composite, 90–93
 - rectangular, 86–89
- Multiplication
 - decimals to hundredths, 42–45
 - fractions, by whole numbers, 60–63, 68–71
 - of two fractions, 64–71
- Number and operations in base ten decimals
 - add and subtract
 - hundredths, 38–41
 - tenths, 34–37
 - compare, to thousandths place, 26–29
 - multiply and divide to hundredths, 42–45
 - place value to thousandths, understanding, 22–25
 - rounding, 30–33
- Number and operations—fractions
 - add, with unlike denominators, 48–51
 - divide unit fractions by whole numbers, 72–75
 - interpreted as division, 56–59
 - multiply
 - two fractions, 64–71
 - by whole numbers, 60–63, 68–71
 - subtract, with unlike denominators, 52–55
 - whole numbers divided by, 76–79
- Operations and algebraic thinking
 - graph number patterns, 16–19
 - order of operations, 8–15
- Order of operations, 8–15
- Ordered pairs, 96–107
- Pattern Blocks
 - polygons, regular, identify and classify, 116
 - quadrilaterals, identify and classify, 112
 - subtract fractions with unlike denominators, 52
- Rainbow Fraction® Circle Rings
 - decimals, add and subtract to tenths and hundredths, 38
 - fractions, add with unlike denominators, 48
- Relational GeoSolids®
 - volume of a rectangular solid, 86
- Snap Cubes®
 - decimals, add and subtract to tenths, 38
 - order of operations, 8
 - volume of solids
 - composite, 90, **91**
 - rectangular, 86, **87**
- Subtraction
 - decimals, 34–41
 - fractions with unlike denominators, 52–55
- Two-Color Counters
 - decimals, add and subtract tenths, 34
 - coordinate plane, locate points, 96
 - order of operations, 8, 12
- Volume, solids
 - composite, 90–93
 - rectangular, 86–89
- XY Coordinate Pegboard
 - coordinate plane
 - locate points on, **101**
 - follow and create directions on, **105**
 - graph number patterns, 16, **17**
 - quadrilaterals, identify and classify, 120, **121**

Notes

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