

Odyssey Math Exploratory Activities

Students can explore mathematical ideas and solve problems using a variety of on-line manipulatives. Manipulatives allow the students to move objects to make visual representations of mathematical concepts. The key to using manipulatives is for the student to be able to construct meaning through a discovery method by using the mouse to control physical actions of objects and applying it to real-world context.

| Number Theory | |
|-----------------------------|---|
| 34131 40910 | Expanded Form Exploratory |
| 34133 | Writing Numbers Exploratory |
| 40913 | Numbers Exploratory |
| 34136 40923 | Compare and Order Numbers Exploratory |
| 34139 40926 | Rounding Numbers Exploratory |
| Patterns | |
| 34113 40895 | Patterns Exploratory |
| 34116 40898 | Numeric Patterns Exploratory |
| 34119 40903 | Pattern Rules Exploratory Apply Function Rules Exploratory |
| Addition and Subtraction | |
| 34193 40968 | Addition Exploratory |
| 34200 40970 | Subtraction Exploratory |
| 34204 | Estimation Exploratory |
| Multiplication and Division | |
| 34089 | Multiples and Arrays Exploratory |
| 40861 | Common Multiples Exploratory |
| 40869 | Partial Products Exploratory |
| 40888 | Multiple Factors Exploratory |
| 40914 | Factors and Common Factors Exploratory |
| 34097 | Multiply 2-digits by 1-digits Exploratory |
| 34099 | Division Facts Exploratory |
| 34108 | Divide 2-digits by 1-digits Exploratory |
| 40906 | Dividing with 2-digit Divisors Exploratory |
| 40907 | Average Exploratory |

| Measurement: Customary and Metric | | |
|--------------------------------------|---|---------------------------------|
| 34122 40917 | Length Exploratory (Customary) | |
| 34169 40963 | Length Exploratory (Metric) | |
| 40929 40965 | Customary Metric | Converting Length Exploratory |
| 34125 40935 | Capacity Exploratory (Customary) | |
| 34195 41010 | Capacity Exploratory (Metric) | |
| 40940 41021 | Customary Metric | Converting Capacity Exploratory |
| 34128 40946 | Weight Exploratory (Customary) | |
| 34197 41012 | Mass Exploratory (Metric) | |
| 40952 | Converting Weight Exploratory | |
| 34142 40955 | Temperature Exploratory (Customary) | |
| 34202 41001 | Temperature Exploratory (Metric) | |
| Money | | |
| 34149 | Money Counts Exploratory | |
| 40949 | Count Money and Make Change Exploratory | |
| 34152 | Word Problems Exploratory | |
| 40957 | Add and Subtract Money Exploratory | |
| 40960 | Multiply and Divide Money Exploratory | |
| 34161 | Unit Price Exploratory | |
| Time | | |
| 34091 40849 | Telling Time Exploratory | |
| 34101 40864 | Elapsed Time Exploratory | |
| 34144 40938 | Time Schedules Exploratory | |

| Fractions and Decimals | |
|------------------------|---|
| 34163 40978 | Part of a Set or Whole Exploratory |
| 40981 | Improper Fractions Exploratory |
| 34166 40984 | Equivalent Fractions Exploratory |
| 34172 40987 | Compare and Order Fractions Exploratory |
| 41004 | Add and Subtract Fractions Exploratory |
| 41007 | Add and Subtract Mixed Numbers Exploratory |
| 41015 | Add and Subtract Unlike Fractions Exploratory |
| 34175 | Relate Fractions and Decimals Exploratory |
| 34188 | Write Decimals to Hundredths Exploratory |
| 34191 41018 | Order and Compare Decimals Exploratory |
| 41023 | Decimals as Fractions Exploratory |
| 41026 | Add and Subtract Decimals Exploratory |

| Algebra | |
|----------------|------------------------|
| 34155 40932 | Equations Exploratory |
| 34158 40943 | Properties Exploratory |

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| Properties of Shape | |
|-------------------------------------|--|
| 34050 40824 | Segments, Lines, and Line Pairs Exploratory Points, Lines, Segments, Rays, and Angles Exploratory |
| 34052 40829 | Angles Exploratory |
| 34077 40831 | Attributers of Polygons Exploratory |
| 40834 | Attributes of Triangles Exploratory |
| 40836 | Attributes of Circles Exploratory |
| 34079 40838 | Attributes of Solids Exploratory |
| 34081 | Nets Exploratory |
| Perimeter, Area, and Volume | |
| 34178 40972 | Perimeter Exploratory |
| 34181 40975 | Area Exploratory |
| 34184 40992 | Comparing Perimeter and Area Exploratory |
| 40995 | Volume Exploratory |
| Transformations and Symmetry | |
| 34059 40828 | Congruent Shapes Exploratory Similar and Congruent Figures Exploratory |
| 34061 40845 | Slides, Flips, and Turns Exploratory Transformations Exploratory |
| 34085 40847 | Line and Point Symmetry Exploratory Symmetry Exploratory |
| Coordinate Geometry | |
| 34054 | Distance Between Two Points Exploratory |
| 34083 | Directions Exploratory |
| 40843 | Distance and Directions Exploratory |
| 34057 40841 | Ordered Pairs Exploratory |

| Display and Interpret Data | |
|-----------------------------------|---|
| 34087 | Pictograph Exploratory |
| 34103 40877 | Bar Graph Exploratory |
| 40878 | Line and Stem-and-Leaf Plot Exploratory |
| 40880 | Line Graph Exploratory |
| 40883 | Mean, Median, Mode, and Range Exploratory |
| Probability | |
| 34093 40851 | Events Exploratory |
| 34095 40853 | Possible Outcomes Exploratory |
| 40855 | Probability Exploratory |