

Mathematical Representations 6-8

<p>Grade 6</p>	<ul style="list-style-type: none"> • Diagram • Tape diagrams • Double number line diagrams • Concrete/Visual fraction model • Geometric model • Set model • Array model • Area model • Nets • Linear model • Number line with + rational number (horizontal/vertical) • Tables • Coordinate plane (all 4 quadrants) 	<ul style="list-style-type: none"> • Organized lists • Pictograph • Bar graph • Circle graph • Venn diagram • Line graph • Frequency chart • Line/Dot plot • Histogram • Box & whisker/Box plots 	<ul style="list-style-type: none"> • Algorithms • Expressions • Exponents • Equations/Expressions with variables • Integers • Inequalities • Parentheses & brackets
<p>Grade 7</p>	<ul style="list-style-type: none"> • Diagram • Tape diagrams • Double number line diagrams • Concrete/Visual fraction model • Geometric model • Set model • Array model • Area model • Nets • Linear model • Number line with rational numbers (horizontal/vertical) • Tables • Coordinate plane (all 4 quadrants) • Scale drawings 2-dimensional figures • 3-Dimensional cross-sections • Probability model/Outcome space 	<ul style="list-style-type: none"> • Organized lists • Pictograph • Bar graph • Circle graph • Venn diagram • Line graph • Frequency chart • Line/Dot Plot • Histogram • Box & whisker/Box plots • Tree diagram 	<ul style="list-style-type: none"> • Algorithms • Expressions • Exponents • Equations with variables • Inequalities • Parentheses & brackets • Coefficients • Constants • Proportional relationships • Rate of change

Mathematical Representations 6-8 (cont.)

<p>Grade 8</p>	<ul style="list-style-type: none"> • Diagram • Tape diagrams • Double number line diagrams • Concrete/Visual model • Geometric model • Set model • Array model • Area model • Nets • Linear model • Number Line with rational numbers (horizontal/vertical) • Tables/Two-way • Coordinate plane (all 4 quadrants) • Scale drawings • 2-Dimensional cross-sections • 3-Dimensional figures • Probability model/outcome space • Bivariate sets of data • Random sampling 	<ul style="list-style-type: none"> • Organized list • Pictograph • Bar graph • Circle graph • Venn diagram • Line graph • Frequency chart • Line/Dot plot • Histogram • Box & whisker/Box plots • Tree diagram • Trend line • Scatter plot • Transformations 	<ul style="list-style-type: none"> • Algorithms • Expression • Exponents • Equations with variables • Inequalities • Parentheses & brackets • Coefficients • Constants • Proportional relationships • Rate of change • Scientific notation • Systems of linear equations
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