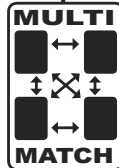


## Math Practices Checklist

- 1. I don't give up easily.
- 2. I know how to use symbols when solving problems.
- 3. I give very good explanations.
- 4. I can write or draw models for problems.
- 5. I know how to choose and use math tools.
- 6. I pay attention to details when showing work.
- 7. I can break problems into parts.
- 8. I look for shortcuts when solving problems.



**Multi-Match** card sets help students learn to match numbers, expressions, and models, and to discuss reasons. Goals that have a related card set are marked with red boxes. See [www.mathpaths.com](http://www.mathpaths.com) for an updated list.

Also see the bundle of card sets for Grade 6.

The free *Multi-Match Games Guide* includes game instructions and templates to make your own cards.

This list of goals was written and designed by Angie Seltzer, [www.mathpaths.com](http://www.mathpaths.com). Teachers and schools have permission to distribute to teachers, parents, students, and staff for noncommercial use. Permission is granted to distribute file electronically if and only if all pages are included. Highlighted cluster statements © 2010 by National Governors Association Center for Best Practices and Council of Chief State School Officers. All rights reserved.

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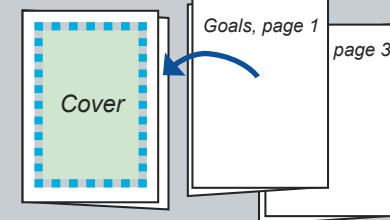
Name \_\_\_\_\_

## COMMON CORE STATE STANDARDS

# Grade 6 Math

# Goals Leaflet for Parents

**Make a Leaflet.** Fold all three sheets in half as shown. Put goal pages 1-4 within cover sheet and staple along left edge.



*Courtesy of Angie Seltzer for 2015–2016*

- ✓ For each content cluster from the Common Core standards, there are 3 to 9 clear goals written in “I can” format.
- ✓ The habits checklist is based on the 8 Common Core practice standards.
- ✓ *Multi-Match* practice game cards are available for goals marked in red.

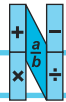


Name \_\_\_\_\_

Class \_\_\_\_\_ Date \_\_\_\_\_



For each goal that has been mastered, mark the box and write the date.



**THE NUMBER SYSTEM**

**1** Apply and extend previous understandings of multiplication and division to divide fractions by fractions.

- 1. I can relate division of fractions to multiplication.  \_\_\_\_\_
- 2. I can divide fractions by fractions using models.  \_\_\_\_\_
- 3. I can divide fractions by fractions to solve problems.  \_\_\_\_\_

**2** Compute fluently with multi-digit numbers and find common factors and multiples.

- 1. I can divide multi-digit numbers using the standard algorithm.  \_\_\_\_\_
- 2. I can add and subtract multi-digit decimals.  \_\_\_\_\_
- 3. I can multiply multi-digit decimals.  \_\_\_\_\_
- 4. I can divide multi-digit decimals.  \_\_\_\_\_
- 5. I can find greatest common factors.  \_\_\_\_\_
- 6. I can find least common multiples.  \_\_\_\_\_
- 7. I can use the distributive property to isolate a common factor.  \_\_\_\_\_

**3** Apply and extend previous understandings of numbers to the system of rational numbers.

- 1. I can relate positive and negative numbers to real situations.  \_\_\_\_\_
- 2. I can write and identify opposites of integers.  \_\_\_\_\_
- 3. I can relate opposite numbers in ordered pairs to reflections.  \_\_\_\_\_
- 4. I can graph or identify points in four quadrants.  \_\_\_\_\_
- 5. I can compare rational numbers using a number line.  \_\_\_\_\_

Name \_\_\_\_\_

- 6. I can write comparisons for ordering rational numbers in real situations.  \_\_\_\_\_
- 7. I can solve problems involving coordinate graphs in four quadrants.  \_\_\_\_\_
- 8. I can find distance between two points with the same first or second coordinate.  \_\_\_\_\_



**EXPRESSIONS AND EQUATIONS**

**1** Apply and extend previous understandings of arithmetic to algebraic expressions.

- 1. I can evaluate numerical expressions that include exponents.  \_\_\_\_\_
- 2. I can write or interpret simple expressions with variables.  \_\_\_\_\_
- 3. I can identify parts of an expression using mathematical terms.  \_\_\_\_\_
- 4. I can evaluate expressions for specific values of the variables.  \_\_\_\_\_
- 5. I can evaluate formulas for specific values.  \_\_\_\_\_
- 6. I can write equivalent expressions using the distributive property.  \_\_\_\_\_
- 7. I can identify when two expressions are equivalent.  \_\_\_\_\_

**2** Reason about and solve one-variable equations and inequalities.

- 1. I can use substitution to decide if a number is a solution to an equation.  \_\_\_\_\_
- 2. I can use variables and expressions to represent situations.  \_\_\_\_\_
- 3. I can write equations of the form  $x + p = q$  to solve problems.  \_\_\_\_\_
- 4. I can write equations of the form  $px = q$  to solve problems.  \_\_\_\_\_
- 5. I can write or interpret inequalities  $x > c$  or  $x < c$ .  \_\_\_\_\_

6. I can represent inequalities on number line diagrams.  \_\_\_\_\_

**3** Represent and analyze quantitative relationships between dependent and independent variables.

1. I can use two variables to represent two related quantities.  \_\_\_\_\_

2. I can graph ordered pairs of related quantities.  \_\_\_\_\_

3. I can write equations to describe related variables.  \_\_\_\_\_



**RATIOS AND PROPORTIONAL RELATIONSHIPS**

**1** Understand ratio concepts and use ratio reasoning [and percents] to solve problems.

1. I can write and interpret ratios.  \_\_\_\_\_

2. I can find unit rates related to ratios.  \_\_\_\_\_

3. I can write equivalent ratios, including ratio tables.  \_\_\_\_\_

4. I can use ratios to convert measurements.  \_\_\_\_\_

5. I can plot pairs of ratios on the coordinate plane.  \_\_\_\_\_

6. I can solve unit rate problems such as unit pricing.  \_\_\_\_\_

7. I can write a fraction or ratio as a percent.  \_\_\_\_\_

8. I can find a number given the part and the percent.  \_\_\_\_\_

9. I can find a percent of a number.  \_\_\_\_\_



**GEOMETRY**

**1** Solve real-world and mathematical problems involving area, surface area, and volume.

1. I can find areas of triangles.  \_\_\_\_\_

2. I can decompose and compose shapes into triangles and rectangles.  \_\_\_\_\_

3. I can find areas of polygons.  \_\_\_\_\_

4. I can use cubes to find volumes of prisms with fractional edge lengths.  \_\_\_\_\_

5. I can multiply to find volumes of prisms with fractional edge lengths.  \_\_\_\_\_

6. I can draw polygons given coordinates for the vertices.  \_\_\_\_\_

7. I can use coordinates to calculate the length of vertical or horizontal segments.  \_\_\_\_\_

8. I can represent 3-dimensional figures as nets.  \_\_\_\_\_

9. I can calculate surface areas.  \_\_\_\_\_



**STATISTICS AND PROBABILITY**

**1** Develop understanding of statistical variability.

1. I can recognize statistical questions.  \_\_\_\_\_

2. I can describe the center, spread (range), and shape of data on a dot plot.  \_\_\_\_\_

3. I can find the median of a data set.  \_\_\_\_\_

4. I can find the mean of a data set.  \_\_\_\_\_

5. I can recognize measures of center and variation of data.  \_\_\_\_\_

**2** Summarize and describe distributions.

1. I can find quartiles and interquartile range.  \_\_\_\_\_

2. I can display and describe data on box plots.  \_\_\_\_\_

3. I can display and describe data on histograms.  \_\_\_\_\_

4. I can find the mean absolute deviation of a data set.  \_\_\_\_\_

5. I can summarize data sets in relation to their context.  \_\_\_\_\_