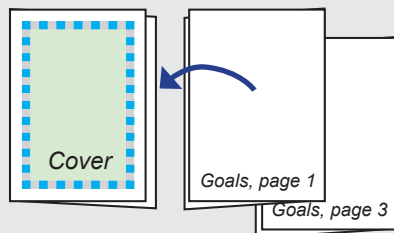


### Common Core Standards for Mathematical Practice

- MP1:** Make sense of problems and persevere in solving them.
- MP2:** Reason abstractly and quantitatively.
- MP3:** Construct viable arguments and critique the reasoning of others.
- MP4:** Model with mathematics.
- MP5:** Use appropriate tools strategically.
- MP6:** Attend to precision.
- MP7:** Look for and make use of structure.
- MP8:** Look for and express regularity in repeated reasoning.

#### Making a Leaflet

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



Name \_\_\_\_\_

## COMMON CORE STATE STANDARDS

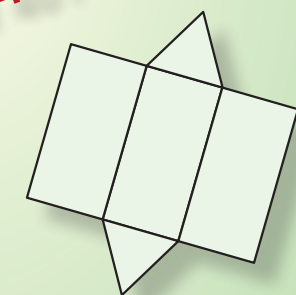
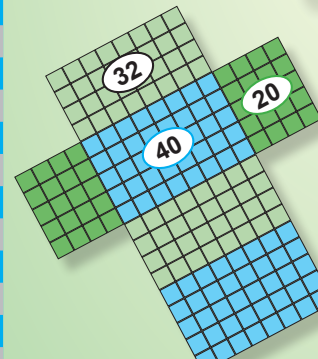
# Grade 6 Math

# Goals Checklist

$$\frac{8}{100} \times 200$$

$$\frac{21}{\square} = \frac{7}{10}$$

What is 60% of 40?



$$n \geq -5$$

37.5%

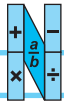
Courtesy of K-8 Math Sense for 2018-2019

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.  \_\_\_\_\_

- 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.  \_\_\_\_\_