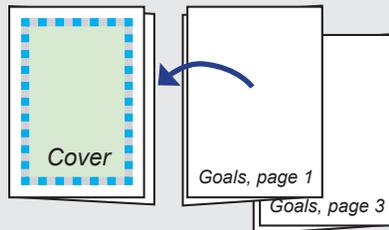


Common Core Standards for Mathematical Practice

- 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.



Grade 6 Math "I Can" Goals Leaflet (Published 08/08/2014 & Updated 07/14/2022)

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Name _____

COMMON CORE STATE STANDARDS

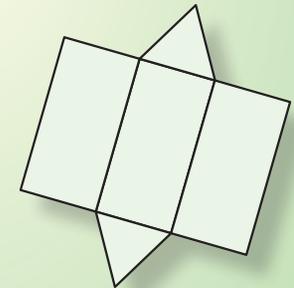
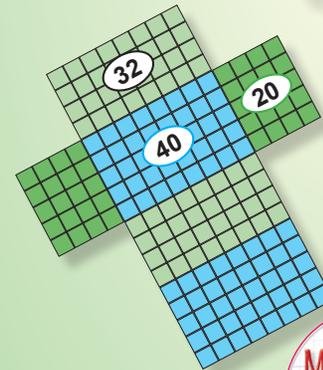
Grade 6 Math

Goals Checklist

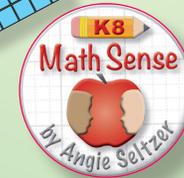
$$\frac{8}{100} \times 200$$

What is 60% of 40?

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



$$n \geq -5$$



37.5%

Courtesy of K8 Math Sense for 2022-2023

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. _____