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.

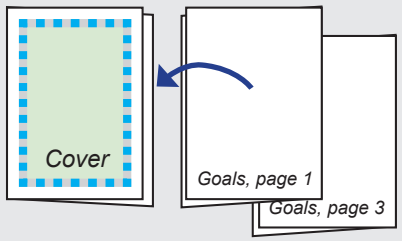
MP6: Attend to precision.

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 07/22/2020)

Name_____

COMMON CORE STATE STANDARDS

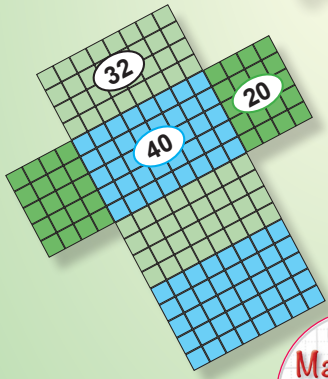
Grade 6 Math

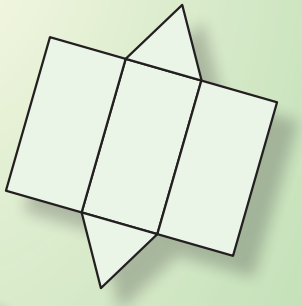
Goals Checklist

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

What is 60% of 40?

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





$n \geq -5$

37.5%

Courtesy of K8 Math Sense for 2020-2021

Grade 6 CCSS Math Goals

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. ☐ _____