

Math Goals for Grade 6



Name _____

Class _____ Date _____

How much do you understand? Mark 1, 2, 3, or 4 for each statement.



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. 1 2 3 4
2. I can divide fractions by fractions using models. 1 2 3 4
3. I can divide fractions by fractions to solve problems. 1 2 3 4

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

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

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. 1 2 3 4
2. I can write and identify opposites of integers. 1 2 3 4
3. I can relate opposite numbers in ordered pairs to reflections. 1 2 3 4
4. I can graph or identify points in four quadrants. 1 2 3 4
5. I can compare rational numbers using a number line. 1 2 3 4
6. I can write comparisons for ordering rational numbers in real situations. 1 2 3 4
7. I can solve problems involving coordinate graphs in four quadrants. 1 2 3 4
8. I can find distance between two points with the same first or second coordinate. 1 2 3 4

Math Goals for Grade 7



THE NUMBER SYSTEM

1 Apply and extend previous understandings of operations with fractions to add and subtract rational numbers.

1. I can relate sums of rational numbers to movements or situations. 1 2 3 4
2. I can relate subtraction of rational numbers to adding the opposite. 1 2 3 4
3. I can find distance between rational numbers on a number line. 1 2 3 4
4. I can add and subtract integers. 1 2 3 4
5. I can add and subtract rational numbers. 1 2 3 4

Math Goals for Grade 7

2 Apply and extend previous understandings of operations with fractions to multiply and divide rational numbers.

1. I can apply multiplication properties to rational numbers. 1 2 3 4
2. I can interpret products of rational numbers in real situations. 1 2 3 4
3. I can interpret quotients of rational numbers in real situations. 1 2 3 4
4. I can multiply and divide integers. 1 2 3 4
5. I can multiply and divide rational numbers. 1 2 3 4
6. I can write rational numbers as decimals. 1 2 3 4
7. I can compute with rational numbers to solve problems. 1 2 3 4
8. I can solve multi-step problems with rational numbers. 1 2 3 4

Math Goals for Grade 8



THE NUMBER SYSTEM

1 Know that there are numbers that are not rational, and approximate them by rational numbers.

1. I can identify rational and irrational numbers. 1 2 3 4
2. I can convert repeating decimals to rational numbers. 1 2 3 4
3. I can find approximations for irrational numbers. 1 2 3 4



EXPRESSIONS AND EQUATIONS

1 Work with radicals and integer exponents.

1. I can simplify and evaluate numerical expressions with integer exponents. 1 2 3 4
2. I can develop and apply properties of exponents. 1 2 3 4
3. I can use square root and cube root symbols. 1 2 3 4
4. I can evaluate square roots and cube roots. 1 2 3 4
5. I can convert between standard notation and scientific notation. 1 2 3 4
6. I can use scientific notation to compare relative sizes of numbers. 1 2 3 4
7. I can perform operations on numbers in scientific notation. 1 2 3 4
8. I can use scientific notation to solve problems. 1 2 3 4
9. I can convert measurement results to appropriate units. 1 2 3 4