

THE NUMBER SYSTEM

1. Explain the steps you would use to solve a problem involving order of operations.
2. How do you add, subtract, multiply or divide decimals? When is it important to line up the decimals?
3. What is the difference between a factor and a multiple?
4. What is prime factorization? What does it mean when your teacher asks you to write the factorization as a "product of primes"?
5. What is the difference between prime numbers and composite numbers? Are there any numbers that do not fall into either of these categories?
6. What is a rational number? Give an example of both a rational and irrational number and explain how you know.
7. What is the difference between standard form, word form, and expanded form? When would you use these?
8. What are the different ways to show multiplication? How many different ways can you show 2 times 3? When would you use one way over the other? Be specific!