

Math 6+: Number Sense Number Theory

Whole Numbers: Concepts and Properties

Students	Learning Continuum Statements:
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Students:	RIT 171-180:
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- Determines if a number or set of numbers is even or odd
- Determines if sets of objects are even or odd

Students:	RIT 181-190:
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- Determines if a number or set of numbers is even or odd
- Determines if sets of objects are even or odd

Students:	RIT 191-200:
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- Determines if a number or set of numbers is even or odd
- Determines if sets of objects are even or odd
- Identifies factors of numbers less than 100

Students:	RIT 201-210:
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- Applies the tests for divisibility by 2, 5, and 10
- Determines greatest common factors
- Determines if a number or set of numbers is even or odd
- Identifies factors of numbers less than 100
- Solves problems involving factors and multiples

Students:	RIT 211-220:
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- Determines common factors
- Determines greatest common factors
- Determines least common multiples
- Determines prime factorization of a number using a factor tree
- Determines the prime factorization of a number
- Identifies factors of numbers less than 100
- Identifies multiples of two-digit numbers
- Identifies true statements about the sums and products of odd and even numbers
- Solves problems involving factors and multiples
- Solves real-world problems involving the least common multiple

Students:**RIT 221-230:**

- Applies multiple tests for divisibility
- Determines common factors
- Determines common multiples
- Determines least common multiples
- Determines the prime factorization of a number
- Identifies factors of numbers less than 100
- Identifies prime and composite numbers
- Identifies true statements about the sums and products of odd and even numbers
- Solves real-world problems involving the least common multiple

Students:**RIT 231-240:**

- Applies multiple tests for divisibility
- Determines common factors
- Determines common multiples
- Determines least common multiples
- Determines the prime factorization of a number
- Identifies factors of numbers greater than 100
- Identifies true statements about number-theory concepts, including prime, composite, multiples, factors, least common multiples, and greatest common factors
- Identifies true statements about the sums and products of odd and even numbers
- Solves real-world problems involving the least common multiple

Students:**RIT 241-250:**

- Determines common factors
- Determines common multiples
- Determines least common multiples
- Determines the prime factorization of a number
- Solves real-world problems involving common multiples
- Solves real-world problems involving the least common multiple

Students:**RIT 251-260:**

- Determines least common multiples
- Solves problems by applying multiple number-theory concepts, including prime numbers, multiples, factors, least common multiples, and greatest common factors
- Solves real-world problems involving common multiples
- Solves real-world problems involving the least common multiple

