

### **NCTM Strands**

**Number and Operations** 

Algebra

Geometry

Measurement

Data Analysis & Probability

### **NCTM Strands**

Strand 2

Number and Operations

Algebra

Geometry

Measurement

Data Analysis & Probability

### Algebra Understand patterns, relations, and functions Represent and analyze mathematical situations and structures using algebraic symbols Use mathematical models to represent and understand quantitative relationships Analyze change in various contexts Algebra Understand patterns, relations, and functions Represent and analyze mathematical situations and structures using algebraic symbols Use mathematical models to represent and understand quantitative relationships Analyze change in various contexts Algebra Understand patterns, relations, and functions

# Algebra Understand patterns Sort, classify, and order objects by size, number, and other properties Algebra Understand patterns

### Recognize, describe, and extend patterns such as sequences of sounds and shapes or simple numeric patterns and translate from one representation to another Copy a pattern (vertical & horizontal)

## Algebra Understand patterns Recognize, describe, and extend patterns such as sequences of sounds and shapes or simple numeric patterns and translate from one representation to another Extend a pattern A C E G I K M O

### Algebra Understand patterns Recognize, describe, and extend patterns such as sequences of sounds and shapes or simple numeric patterns and translate from one representation to What role/function does it have? Algebra Understand patterns Analyze how both repeating and growing patterns are generated. Algebra Understand patterns, relations, and functions Represent and analyze mathematical situations and structures using algebraic symbols

Use mathematical models to represent and understand quantitative relationships

Analyze change in various contexts

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Represent and analyze mathematical situations and structures using algebraic symbols

Use matternativeal meters to represent and understand quantitative relationships

Analysis elimings in various contexts

### Algebra

2

Represent & Analyze

Illustrate general principles and properties of operations, such as commutativity, using specific numbers.





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### Algebra

2

Represent & Analyze

Illustrate general principles and properties of operations, such as commutativity, using specific numbers.



Represent & Analyze

Use concrete, pictorial, and verbal representations to develop an understanding of invented and conventional symbolic notations.



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### Algebra

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### Algebra

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Represent & Analyze

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http://bit.ly/islandmat



Understand patterns, relations, and functions

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### Algebra

Uniterstand nations, relations, and functions

situations and structures using algebraic symbols

Use mathematical models to represent and understand quantitative relationships

Analyse Grange in various contexts

### Algebra

Use mathematical quantities

Model situations that involve the addition and subtraction of whole numbers, using objects, pictures, and symbols.









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Understand patterns, relations, and functions

Represent and analyze mathematical situations and structures using algebraic symbols

Use mathematical models to represent and understand quantitative relationships

Analyze change in various contexts

### Algebra

Uniterstant institutions, relations, and functions

Representant lanalyze mathematical situations and structures using algebraic symbols

understand quantitative relationships

Analyze change in various contexts

### Algebra

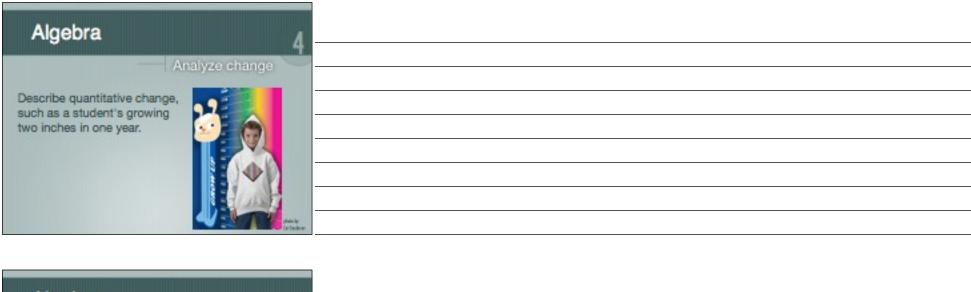
Analyze change

Describe qualitative change









Understand patterns, relations, and functions

Represent and analyze mathematical situations and structures using algebraic symbols

Use mathematical models to represent and understand quantitative relationships

Analyze change in various contexts