

### Kindergarten

TOPIC	PUZZLE TALK <small>*must be signed in to ST Math to access</small>	TEKS
Subitizing	<a href="#">Subitizing to 5</a>	2d
Counting	<a href="#">Counting within 5 scattered</a>	2a, 2b, 2c, 2d
Counting	<a href="#">Counting within 10 Scattered</a>	2a, 2b, 2c, 2d
Comparing Numbers	<a href="#">Comparing within 10, Symbolic</a>	2e, 2g, 2h
Whole Numbers	<a href="#">Numerals within 5</a>	2a, 2b, 2c, 2d
Whole Numbers	<a href="#">Numerals to 10</a>	2a, 2b, 2c, 2d
Whole Numbers	<a href="#">Numerals to 20</a>	2a, 2b, 2c, 2d
Whole Number Place Value	<a href="#">Number Partners within 10</a>	3a, 3b, 3c, 2i
Whole Number Place Value	<a href="#">Making 10</a>	3a, 3b, 3c, 2i
Addition and Subtraction	<a href="#">Intro to Visual Addition within 5</a>	3a, 3b, 3c
Addition and Subtraction	<a href="#">Addition within 5</a>	3a, 3b, 3c
Addition and Subtraction	<a href="#">Intro to Visual Subtraction within 5</a>	3a, 3b, 3c
Addition and Subtraction	<a href="#">Intro to Visual Addition within 10</a>	3a, 3b, 3c
Addition and Subtraction	<a href="#">Subtraction within 5</a>	3a, 3b, 3c
Addition and Subtraction	<a href="#">Intro to Visual Subtraction within 10</a>	3a, 3b, 3c
Addition and Subtraction	<a href="#">Addition and Subtraction within 5</a>	3a, 3b, 3c
Addition and Subtraction	<a href="#">Addition and Subtraction within 10</a>	3a, 3b, 3c
Measurement and Data	<a href="#">Comparing Objects by Length</a>	7a, 7b
Shapes	<a href="#">Composing 2D Shapes</a>	6b, 6f



### Grade 1

TOPIC	PUZZLE TALK <small>*must be signed in to ST Math to access</small>	TEKS
Counting	<a href="#">Counting to 120</a>	2c
Whole Number Place Value	<a href="#">Place Value to 100 with a Visual Model</a>	2b
Whole Number Place Value	<a href="#">Number Pairs to 10</a>	3a, 3b, 3c, 3d, 3e, 3f, 5d, 5g
Whole Number Place Value	<a href="#">Counting by Grouping</a>	2b, 2c
Compare Numbers	<a href="#">Comparing Two-Digit Numbers</a>	2e, 2g
Addition and Subtraction	<a href="#">Addition within 10</a>	3a, 3b, 3c, 3d, 3e, 3f, 4c, 5b, 5d, 5g
Addition and Subtraction	<a href="#">Ten Frame Addition within 20</a>	3a, 3b, 3c, 3d, 3e, 3f, 5d, 5g
Addition and Subtraction	<a href="#">Subtraction within 10</a>	3a, 3b, 3c, 3d, 3e, 3f, 4c, 5b, 5d, 5g
Addition and Subtraction	<a href="#">Ten Frame Subtraction within 20</a>	3a, 3b, 3c, 3d, 3e, 3f, 5d, 5g
Addition and Subtraction	<a href="#">Ten Frame Addition and Subtraction within 20</a>	3a, 3b, 3c, 3d, 3e, 3f, 4c, 5b, 5d, 5g
Addition and Subtraction	<a href="#">Addition and Subtraction within 10</a>	3a, 3b, 3d, 3e, 3f, 4c, 5b, 5d, 5g
Addition and Subtraction	<a href="#">Addition and Subtraction with Unknowns I</a>	3a, 3b, 3c, 5e, 5f
Addition and Subtraction	<a href="#">Addition and Subtraction with Unknowns II</a>	3a, 3b, 3c, 5e, 5f
Expressions and Equations	<a href="#">The Meaning of the Equal Sign</a>	3a, 3b, 3c, 5e, 5f
Geometry	<a href="#">Composing 2D Shapes</a>	6c, 6f
Geometry	<a href="#">Composing 3D Shapes</a>	6c, 6f
Measurement and Data	<a href="#">Measuring Length</a>	7c, 7d
Measurement and Data	<a href="#">Organizing Data into Bar Graphs</a>	8a, 8b, 8c

### Grade 2

TOPIC	PUZZLE TALK <small>*must be signed in to ST Math to access</small>	TEKS
Skip Counting	<a href="#">Intro to Skip Counting</a>	2a
Number Line	<a href="#">Intro to the Number Line - Circular Model</a>	2e, 2f
Number Line	<a href="#">Placing numbers on a number line</a>	2e, 2f, 9c
Number Line	<a href="#">Scrolling and Zooming on the Number Line</a>	2e, 2f, 9c
Place Value	<a href="#">Building 1000</a>	2a, 2b, 2c
Place Value	<a href="#">Building 100 with 10s</a>	2a
Place Value	<a href="#">Place Value Regrouping 2</a>	2a
Place Value	<a href="#">Place Value Regrouping</a>	2a, 2b, 2c
Addition and Subtraction	<a href="#">Addition within 100 with a concrete model</a>	4c, 6a, 6b, 7c
Addition and Subtraction	<a href="#">Addition within 100 using Tokens</a>	2a, 4c, 4d, 6a, 6b, 7c"
Addition and Subtraction	<a href="#">Addition within 1000 using Tokens</a>	2a
Addition and Subtraction	<a href="#">Subtraction within 100 with a concrete model</a>	4c, 6a, 6b, 7c
Addition and Subtraction	<a href="#">Subtraction within 100 using Tokens</a>	2a, 4c, 4d, 6a, 6b, 7c
Addition and Subtraction	<a href="#">Subtraction within 1000 using Tokens</a>	2a
Geometry	<a href="#">Naming and Identifying shapes</a>	8a, 8c
Measurement and Data	<a href="#">Time to the nearest 5 minutes</a>	9g
Measurement and Data	<a href="#">Two-step length problems</a>	4c, 6a, 6b, 7c
Measurement and Data	<a href="#">Measure with a ruler</a>	9a, 9d

### Grade 3

TOPIC	PUZZLE TALK <small>*must be signed in to ST Math to access</small>	TEKS
Measurement and Data	<a href="#">Area</a>	6c, 7b
Measurement and Data	<a href="#">Calculating Perimeter</a>	7b
Measurement and Data	<a href="#">Area and Perimeter Together</a>	6c, 7b
Measurement and Data	<a href="#">Build a Given Area and Perimeter</a>	6c, 7b
Multiplication and Division with Whole Numbers	<a href="#">Intro to Visual Division</a>	4k, 5b
Fractions	<a href="#">Visual Fractions Concepts</a>	3a, 3c, 3d, 3e, 3f, 6e
Fractions	<a href="#">Building Fractions with Unit Fractions</a>	3a, 3c, 3d, 3e, 3f, 3g, 6e
Fractions	<a href="#">Equivalent Fractions</a>	3a, 3c, 3d, 3e, 3f, 3g, 6e
Fractions	<a href="#">Unit Fractions on the Number Line</a>	3b, 7a
Fractions	<a href="#">Fractions on the Number Line</a>	3b, 7a
Measurement and Data	<a href="#">Elapsed Time</a>	7c
Measurement and Data	<a href="#">Area and Multiplication</a>	6c, 7b
Multiplication and Division with Whole Numbers	<a href="#">Multiplication and Division Relationships</a>	4d, 4e, 4f, 4g, 4h
Multiplication and Division with Whole Numbers	<a href="#">Intro to Symbolic Multiplication</a>	4d, 4e, 4f, 4g, 4h
Multiplication and Division with Whole Numbers	<a href="#">Counting with Equal Groups</a>	4d, 4e, 4f, 4g, 4h
Multiplication and Division with Whole Numbers	<a href="#">Properties of Multiplication</a>	4d, 4e, 4f, 4g, 4h

### Grade 4

TOPIC	PUZZLE TALK <small>*must be signed in to ST Math to access</small>	TEKS
Whole Number Place Value	<a href="#">Rounding Whole Numbers</a>	4.2d
Addition and Subtraction with Whole Numbers	<a href="#">Addition Algorithm</a>	4.4a
Addition and Subtraction with Whole Numbers	<a href="#">Subtraction Algorithm</a>	4.4a
Multiplication and Division with Whole Numbers	<a href="#">Dividing by a One Digit Number Visual</a>	4.4e, 4.4f
Multiplication and Division with Whole Numbers	<a href="#">Multiplying Two Digit by Two Digit</a>	4.4c, 4.4d
Algebraic Thinking	<a href="#">Intro to Multiplicative Thinking</a>	4.4h
Algebraic Thinking	<a href="#">Multiplicative vs Additive Thinking</a>	4.4h, 4.5a
Algebraic Thinking	<a href="#">Patterns on the Number Line</a>	4.5b
Fractions - Addition	<a href="#">Intro to Adding Mixed Numbers on the Number Line</a>	4.3a, 4.3b, 4.3e
Fractions - Subtraction	<a href="#">Intro to Subtracting Mixed Numbers on the Number Line</a>	4.3e
Fractions	<a href="#">Generating Equivalent Fractions</a>	4.3c
Decimals	<a href="#">Decimals in Tenths and Hundredths</a>	4.2e, 4.2f, 4.2g,
Measurement and Data	<a href="#">Applying Area and Perimeter</a>	4.5c, 4.5d
Measurement and Data	<a href="#">Solving Length Problems Using the Four Operations</a>	4.8c
Geometry	<a href="#">Measuring Angles with a Protractor</a>	4.7c, 4.7d
Geometry	<a href="#">Lines of Symmetry</a>	4.6b
Geometry	<a href="#">Shape Patterns</a>	4.5b

## Grade 5

TOPIC	PUZZLE TALK <small>*must be signed in to ST Math to access</small>	TEKS
Multiplication and Division with Whole Numbers	<a href="#">Division Algorithm - Partial Quotients</a>	3c, 4b
Algebraic Thinking	<a href="#">Dueling Patterns on the Number Line</a>	4c, 4d
Expressions and Equations	<a href="#">Placing Parentheses</a>	4f
Expressions and Equations	<a href="#">Writing Expressions</a>	4f
Decimals - Addition	<a href="#">Adding Decimals - Horizontal</a>	3a, 3d, 3e, 3f, 3g, 3j, 3l
Decimals - Subtraction	<a href="#">Subtracting Decimals - Horizontal</a>	3a, 3d, 3e, 3f, 3g
Fractions - Addition	<a href="#">Adding Fractions with Unlike Denominators</a>	3h
Fractions - Subtraction	<a href="#">Subtracting Fractions with Unlike Denominators</a>	3h
Fractions - Multiplication	<a href="#">Intro to Multiplying Fractions</a>	3i, 3k, 4b,
Fractions - Multiplication	<a href="#">Intro to Multiplication as Scaling</a>	3i
Fractions - Multiplication	<a href="#">Fraction Multiplication using an Area Model</a>	3j, 3l
Geometry	<a href="#">Plotting on the Coordinate Plane</a>	8a, 8b
Geometry	<a href="#">Labeling on the Coordinate Plane</a>	8a, 8b
Volume	<a href="#">Composite Volume</a>	4g
Volume	<a href="#">Tiling to Find Volume</a>	6a, 6b
Volume	<a href="#">Calculating Volume</a>	4g



### Grade 6

TOPIC	PUZZLE TALK <small>*must be signed in to ST Math to access</small>	TEKS
Proportional Reasoning	<a href="#">Intro to Proportional Reasoning</a>	4b, 4c, 4e
Proportional Reasoning	<a href="#">Intro to Ratios</a>	4b, 4c, 4e
Proportional Reasoning	<a href="#">Ratio Tables</a>	4b
Proportional Reasoning	<a href="#">Ratio Graphs</a>	4b
Percents	<a href="#">Estimating Percents</a>	4b
Percents	<a href="#">Benchmark Percents</a>	4b
Fractions - Division	<a href="#">Intro to Whole Numbers Divided by Fractions</a>	2e, 3a, 3c,
Fractions - Division	<a href="#">Dividing by Unit Fractions</a>	2e, 3a, 3c,
Rational Numbers	<a href="#">Intro to Negative Numbers</a>	3c, 3d
Rational Numbers	<a href="#">Integers on the Number Line</a>	2c, 11,
Exponents	<a href="#">Intro to Exponents</a>	7a,
Exponents	<a href="#">Exponents on the Number Line</a>	7a
Coordinate Plane	<a href="#">Four Quadrants of the Coordinate Plane</a>	2c, 11
Coordinate Plane	<a href="#">Ordered Pairs in all Four Quadrants</a>	2b
Expressions and Equations	<a href="#">Intro to Solving One-Step Equations</a>	Not listed?
Expressions and Equations	<a href="#">Solving One-Step Equations</a>	Not listed?

# Puzzle Talks and the Standards TEKS



## Grade 7

TOPIC	PUZZLE TALK <small>*must be signed in to ST Math to access</small>	TEKS
Proportional Reasoning	<a href="#">Unit Rates and Fractions</a>	4b
Proportional Reasoning	<a href="#">Distance and Rate</a>	4b
Proportional Reasoning	<a href="#">Determining Proportionality</a>	4c, 4e
Proportional Reasoning	<a href="#">Build Rates</a>	4a
Percents	<a href="#">Intro to Percent Increase</a>	4d,
Percents	<a href="#">Intro to Percent Decrease</a>	4d
Percents	<a href="#">Determining Percent Increase or Decrease</a>	4d
Expressions and Equations	<a href="#">Intro to Solving Two-Step Equations</a>	10a, 10b, 10c
Expressions and Equations	<a href="#">Solving Two-Step Equations</a>	11a
Rational Number Operations	<a href="#">Adding and Subtracting Integers on a Number Line</a>	3a, 3b
Rational Number Operations	<a href="#">Adding and Subtracting Rational Numbers on a Number Line</a>	3a, 3b



# Puzzle Talks and the Standards

## TEKS



### Grade 8

TOPIC	PUZZLE TALK <small>*must be signed in to ST Math to access</small>	TEKS
Expressions and Equations	<a href="#">Intro to Solving Multi-Step Equations</a>	2c, 9
Expressions and Equations	<a href="#">Solving Multi-Step Equations</a>	2c, 9
Expressions and Equations	<a href="#">Solving Equations: Visual Challenge</a>	2c, 9
Expressions and Equations	<a href="#">Solving Equations: Challenge</a>	2c, 9
Functions	<a href="#">Intro to Linear Functions</a>	4c, 5f, 5g, 5h
Functions	<a href="#">Defining Linear Functions</a>	4c, 5f, 5g, 5h
Linear Equations	<a href="#">Intro to Equations with Two Variables</a>	Not listed?
Linear Equations	<a href="#">Solving for Input and Output</a>	Not listed?