

Puzzle Talks and the Standards

Common Core



Kindergarten

TOPIC	PUZZLE TALK <small>*must be signed in to ST Math to access</small>	CCSS-M
Subitizing	Subitizing to 5	K.CC.B.5
Counting	Counting without Starting at 1, within 100	K.CC.A.1, K.CC.A.2
Counting	Counting within 10 Scattered	K.CC.A.3, K.CC.B.4B, K.CC.B.5
Counting	Counting within 5 scattered	K.CC.A.3, K.CC.B.4B, K.CC.B.5
Comparing Numbers	Comparing within 10, Symbolic	K.CC.A.6, K.CC.7
Whole Numbers	Numerals to 10	K.CC.A.3, K.CC.B.4B, K.CC.B.5
Whole Numbers	Numerals to 20	K.CC.A.3, K.CC.B.4B, K.CC.B.5
Whole Numbers	Numerals within 5	K.CC.A.3, K.CC.B.4B, K.CC.B.5
Whole Number Place Value	Number Partners within 10	K.OA.A.1, K.OA.A.2, K.OA.A.3, K.OA.A.4, K.OA.A.5
Whole Number Place Value	Making 10	K.OA.A.1, K.OA.A.2, K.OA.A.3, K.OA.A.4, K.OA.A.5
Addition and Subtraction	Intro to Visual Addition within 5	K.OA.1, K.OA.2, K.OA.5
Addition and Subtraction	Addition within 5	K.OA.1, K.OA.2, K.OA.5
Addition and Subtraction	Intro to Visual Addition within 10	K.OA.1, K.OA.2, K.OA.5
Addition and Subtraction	Intro to Visual Subtraction within 5	K.OA.1, K.OA.2, K.OA.5
Addition and Subtraction	Subtraction within 5	K.OA.1, K.OA.2, K.OA.5
Addition and Subtraction	Intro to Visual Subtraction within 10	K.OA.1, K.OA.2, K.OA.5
Addition and Subtraction	Addition and Subtraction within 5	K.OA.A.1, K.OA.A.2, K.OA.A.5
Addition and Subtraction	Addition and Subtraction within 10	K.OA.A.1, K.OA.A.2, K.OA.A.5
Measurement and Data	Comparing Objects by Length	K.MD.A.1, K.MD.A.2
Shapes	Composing 2D Shapes	K.G.B.5, K.G.B.6

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Grade 1

TOPIC	PUZZLE TALK <small>*must be signed in to ST Math to access</small>	CCSS-M
Counting	Counting to 120	1.NBT.A.1
Whole Number Place Value	Place Value to 100 with a Visual Model	1.NBT.B.2a, 1.NBT.B.2b, 1.NBT.B.2c
Whole Number Place Value	Number Pairs to 10	1.OA.C.5, 1.OA.A.1, 1.OA.C.6, 1.OA.D.8
Whole Number Place Value	Counting by Grouping	1.NBT.A.1, 1.NBT.B.2a, 1.NBT.B.2b, 1.NBT.B.2c
Compare Numbers	Comparing Two-Digit Numbers	1.NBT.B.3
Addition and Subtraction	Addition within 10	1.OA.A.1, 1.OA.C.5, 1.OA.C.6, 1.OA.D.8
Addition and Subtraction	Ten Frame Addition within 20	1.NBT.C.4, 1.OA.A.1, 1.OA.C.6,
Addition and Subtraction	Subtraction within 10	1.NBT.C.4, 1.OA.A.1, 1.OA.C.5, 1.OA.C.6, 1.OA.D.8
Addition and Subtraction	Ten Frame Subtraction within 20	1.NBT.C.4, 1.OA.A.1, 1.OA.C.6,
Addition and Subtraction	Ten Frame Addition and Subtraction within 20	1.NBT.C.4, 1.OA.A.1, 1.OA.C.5, 1.OA.C.6
Addition and Subtraction	Addition and Subtraction within 10	1.OA.A.1, 1.OA.C.5, 1.OA.C.6, 1.OA.D.8
Addition and Subtraction	Pie Monster Addition and Subtraction with Unknowns	1.OA.A.1, 1.OA.B.3, 1.OA.B.4, 1.OA.D.7, 1.OA.D.8
Addition and Subtraction	Push Box Addition and Subtraction with Unknowns	1.OA.A.1, 1.OA.B.3, 1.OA.B.4, 1.OA.D.7, 1.OA.D.8
Expressions and Equations	The Meaning of the Equal Sign	1.OA.A.1, 1.OA.B.3, 1.OA.B.4, 1.OA.D.7, 1.OA.D.8
Geometry	Ordering Objects	1.MD.1
Geometry	Composing 2D Shapes	1.G.A.2
Geometry	Composing 3D Shapes	1.G.A.2
Measurement and Data	Measuring Length	1.MD.1, 1.MD.2
Measurement and Data	Organizing Data into Bar Graphs	1.MD.4

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Grade 2

TOPIC	PUZZLE TALK <small>*must be signed in to ST Math to access</small>	CCSS-M
Skip Counting	Intro to Skip Counting	2.NBT.2
Number Line	Intro to the Number Line - Circular Model	2.MD.B.6
Number Line	Placing numbers on a number line	2.MD.B.6
Number Line	Scrolling and Zooming on the Number Line	2.MD.B.6
Place Value	Building 1000	2.NBT.A.1, 2.NBT.A.1a, 2.NBT.A.1b, 2.NBT.A.3
Place Value	Building 100 with 10s	2.NBT.A.1a
Place Value	Place Value Regrouping 2	2.NBT.A.1a
Place Value	Place Value Regrouping	2.NBT.A.1a, 2.NBT.A.1b, 2.NBT.A.3
Addition and Subtraction	Addition within 100 with a concrete model	2.OA.A.1
Addition and Subtraction	Addition within 100 using Tokens	2.NBT.B.5, 2.NBT.B.6, 2.NBT.B.7, 2.OA.A.1
Addition and Subtraction	Addition within 1000 using Tokens	2.NBT.B.7
Addition and Subtraction	Subtraction within 100 with a concrete model	2.OA.A.1
Addition and Subtraction	Subtraction within 100 using Tokens	2.NBT.B.5, 2.NBT.B.6, 2.NBT.B.7, 2.OA.A.1
Addition and Subtraction	Subtraction within 1000 using Tokens	2.NBT.B.8
Geometry	Naming and Identifying shapes	2.G.1
Measurement and Data	Time to the nearest 5 minutes	2.MD.7
Measurement and Data	Two-step length problems	2.OA.A.1
Measurement and Data	Measurement Line Plots	2.MD.D.9
Measurement and Data	Measure with a ruler	2.MD.D.9, 2.MD.D.1

Grade 3

TOPIC	PUZZLE TALK <small>*must be signed in to ST Math to access</small>	CCSS-M
Measurement and Data	Area	3.MD.8, 3.MD.6, 3.MD.7, 3.MD.5a, 3.MD.5b
Measurement and Data	Calculating Perimeter	3.MD.8
Measurement and Data	Area and Perimeter Together	3.MD.6, 3.MD.7, 3.MD.5b, 3.MD.8
Measurement and Data	Build a Given Area and Perimeter	3.MD.6, 3.MD.7, 3.MD.5b, 3.MD.8
Multiplication and Division with Whole Numbers	Intro to Visual Division	3.OA.8
Fractions	Visual Fractions Concepts	3.NF.2a, 3.NF.1, 3.NF.3a, 3.NF.2, 3.NF.2b, 3.G.2
Fractions	Building Fractions with Unit Fractions	3.NF.2a, 3.NF.1, 3.NF.3a, 3.NF.2, 3.NF.2b, 3.G.2
Fractions	Equivalent Fractions	3.NF.2a, 3.NF.1, 3.NF.3a, 3.NF.2, 3.NF.2b, 3.G.2
Fractions	Unit Fractions on the Number Line	3.NF.2b, 3.NF.2
Fractions	Fractions on the Number Line	3.NF.2b, 3.NF.3
Measurement and Data	Elapsed Time	3.MD.1
Measurement and Data	Area and Multiplication	3.MD.8, 3.MD.6, 3.MD.7, 3.MD.5a, 3.MD.5b
Multiplication and Division with Whole Numbers	Multiplication and Division Relationships	3.OA.1, 3.OA.7, 3.NBT.3
Multiplication and Division with Whole Numbers	Intro to Symbolic Multiplication	3.OA.1, 3.OA.7, 3.NBT.3
Multiplication and Division with Whole Numbers	Counting with Equal Groups	3.OA.1, 3.OA.7, 3.NBT.3
Multiplication and Division with Whole Numbers	Properties of Multiplication	3.OA.1, 3.OA.7, 3.NBT.3, 3.OA.5

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Grade 4

TOPIC	PUZZLE TALK <small>*must be signed in to ST Math to access</small>	CCSS-M
Whole Number Place Value	Rounding Whole Numbers	4.NBT.3
Addition and Subtraction with Whole Numbers	Addition Algorithm	4.NBT.4
Addition and Subtraction with Whole Numbers	Subtraction Algorithm	4.NBT.4
Multiplication and Division with Whole Numbers	Dividing by a One Digit Number Visual	4.NBT.6
Multiplication and Division with Whole Numbers	Multiplying Two Digit by Two Digit	4.NBT.5
Algebraic Thinking	Intro to Multiplicative Thinking	4.OA.1, 4.OA.2
Algebraic Thinking	Multiplicative vs Additive Thinking	4.OA.1
Algebraic Thinking	Patterns on the Number Line	4.OA.5
Fractions - Addition	Intro to Adding Mixed Numbers on the Number Line	4.NF.3
Fractions - Subtraction	Intro to Subtracting Mixed Numbers on the Number Line	4.NF.3
Fractions - Multiplication	Intro to Visual Fraction Multiplication	4.NF.4
Fractions	Generating Equivalent Fractions	4.NF.1
Decimals	Decimals in Tenths and Hundredths	4.NF.6
Measurement and Data	Applying Area and Perimeter	4.MD.3
Measurement and Data	Solving Length Problems Using the Four Operations	4.MD.2
Geometry	Measuring Angles with a Protractor	4.MD.6
Geometry	Lines of Symmetry	4.G.3
Geometry	Shape Patterns	4.OA.5

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Grade 5

TOPIC	PUZZLE TALK <small>*must be signed in to ST Math to access</small>	CCSS-M
Multiplication and Division with Whole Numbers	Division Algorithm - Partial Quotients	5.NBT.6
Algebraic Thinking	Dueling Patterns on the Number Line	5.OA.3
Expressions and Equations	Placing Parentheses	5.OA.2
Expressions and Equations	Writing Expressions	5.OA.2
Decimals - Addition	Adding Decimals - Horizontal	5.NBT.7
Decimals - Subtraction	Subtracting Decimals - Horizontal	5.NBT.7
Fractions - Addition	Adding Fractions with Unlike Denominators	5.NF.1
Fractions - Subtraction	Subtracting Fractions with Unlike Denominators	5.NF.1
Fractions - Multiplication	Intro to Multiplying Fractions	5.NF.4
Fractions - Multiplication	Intro to Multiplication as Scaling	5.NF.5
Fractions - Multiplication	Fraction Multiplication using an Area Model	5.NF.7
Geometry	Plotting on the Coordinate Plane	5.G.1
Geometry	Labeling on the Coordinate Plane	5.G.1
Volume	Composite Volume	5.MD.5
Volume	Tiling to Find Volume	5.MD.3, 5.MD.4
Volume	Calculating Volume	5.MD.5