Math Talks

Grades K-2

Topic	Description	Resources

Dot Cards	• Subitizing: How many dots you see and how do you know?
	  • 1-6 dots – grades K to 2
	  • 7 dots – grades K to 2
	  • Arrays – grade 2 (up to 5x5 for 2.OA.4)
		Dot Cards: Teacher Share – Math Blackline Masters

Five Frames	• Subitizing
	  • How many dots you see and how do you know?
	• Making a Five:
	  • How many dots do you see? How many more do I need to make 5?
	• Add/subtract within 5 (K – fluency):
	  • How many dots do you see altogether? (given two 5 frames)
	  • How many dots would you have left if you take away (#) dots? (from one 5 frame)
		Five Frames: Teacher Share – Math Blackline Masters

Ten Frames	• Subitizing
	  • How many dots you see and how do you know?
	• Making a Ten
	  • How many dots do you see? How many more do you need to make 10?
	• Add/Subtract within 10 (1st – fluency)
	  • How many dots do you see altogether? (given two 10 frames)
	  • How many dots would you have left if you take away (#) dots? (from one 10 frame)
		Ten Frames: Teacher Share – Math Blackline Masters

Dice	• Subitizing
	  • How many dots you see and how do you know?
	• Addition within 6
	  • How many dots do you see altogether? (given a pair of die; grade 2 use 3 to 4 dice to assist with 2.NBT.6)	

Dominos	• Subitizing • How many dots you see and how do you know? • Addition within 6: How many dots altogether? • Doubles • Decomposing numbers: which dominos make 8?	Nova Scotia Blackline Masters - Dominos

Hundreds Chart	• Number Patterns
	  • Use the chart for observing number patterns of ±1 and ±10
	• Hundreds Chart Pattern Puzzles
	  • Work on these pattern puzzles after students have learned the pattern of ±1 and ±10
		Teacher Share – Number Talks

Money	• Add coins or dollars
	  • If I had 2 dimes and 3 nickels, how much would I have? How did you figure that out?
	• Determine combinations
	  • What are different ways to make 25¢? 50¢? $1?	

Simple Addition and Subtraction Expressions	• Single digit sums and differences (2nd – fluency)
	  • 1st work on doubles and expressions that make a 10, such as:
	  • 1 + 9
	  • 8 + 2
	  • 2nd work on expressions where students can use doubles, making a 10,	

	counting on, etc.: • 6 + 9 → 6 + 6 + 3 → 12 + 3 → 15 • 5 + 1 + 9 → 5 + 10 → 15	
Number of the Day	• Pick a number (such as the day of the month: 25 for 9/25) • As students to represent the number in as many ways as they can. Ex: • 20 + 5 • 25 ones • 2 tens and 5 ones • 5 times 5	
What's My Number Name?	• Ask students to name the number given a phrase, such as: • I am two tens and 5 ones. • I am 4 hundreds and 2 ones. • Give place value out of order to determine if they understand place value. • I am 3 ones, 2 hundreds, and 6 tens.	
Opinion	• Would You Rather…	Teacher Share – Number Talks
True or False	• 8 + 1 = 9 • 8 + 2 = 9 + 1 • 6 + 3 = 3 + 6 • 7 + 2 = 10 • 5 + 3 = 5 + 2 • 8 = 2 + 2 + 2	
Doubles/Near Doubles	• 1 + 1 • 2 + 2 • 3 + 3 Number String Example • 4 + 3 • 4 + 4 • 4 + 5	Get2Math – Doubles Dominos Use 10 Frames (See above)
Guess my Number: More or Less?	• See Math Solutions Video page for description and video of kindergarten class.	Pearson BLM – Number cards Math Solutions Video: Guess My Number
What's Closer?	• Pick 3 numbers and have students determine which numbers are closer to each other and state why? • Example: 42 47 51	
Number line	• Create a number line with a range. Give students numbers within the range. Ask them to tell you where the numbers should be placed on the number line.	