

The Power of Counting:

**3 Reasons Why we Need to
Focus on**

Counting in the Early Grades

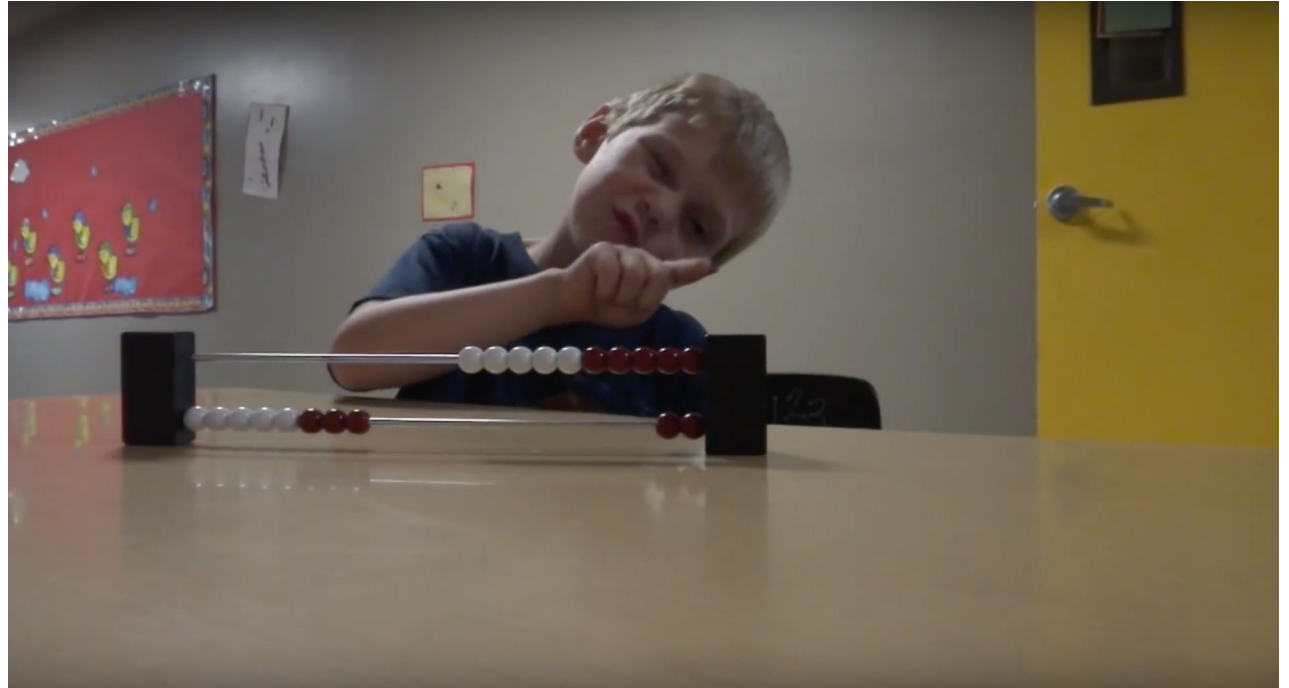
With Dr. Sue Looney



I am going to show you proven steps to confidently set your students up for success in mathematics. By harnessing the power of counting in purposeful ways, your students will develop deep number sense and a true understanding of mathematics.



Stay to the very end to learn how to
get a free rekenrek



You might be here today because ...



Your students lack deep number sense, and you don't know what to do about that.

You might be here today because ...



You want your students to be “good at math” but you aren’t sure how to get them there.

You might be here today because ...



You want to engage your students in powerful counting experiences, but you aren't exactly sure what that looks like.

#1 Your students lack deep number sense, and you don't know what to do about that.

#2 You want your students to be “good at math” but you aren't sure how to get them there.

#3 You want to engage your students in powerful counting experiences, but you aren't exactly sure what that looks like.

**Whatever your reason is,
I am here to support you on your journey!**



Founder of Looney Math Consulting

Dr. Sue Looney

Grade 5 Educator



Early Childhood Expert

**Doctorate in Curriculum and Instruction from
Boston University**

Author, Ying and the Magic Turtle

Helping teachers appreciate young learners

Same But Different



By Dr. Sue Looney



Math Together Show

We are so excited for our 2021 shows!
More guests to come! Watch live or recorded. Follow us for details on each week's show available at [math_together](#) Twitter or IG

Wednesdays at 7 pm EST
www.facebook.com/suelooneymath/live

← Show Hosts



I believe that ALL students deserve a powerful, joyful, and meaningful experience with mathematics.





IMAGINE

Can you imagine that your students develop number sense
that lasts a lifetime?

Imagine confidently knowing you've done everything you can to set your students on the right path!



Helping your students develop deep number sense begins with counting, and the choices you make early on for them have a profound and lasting impact.



I am going to show you a step by step approach that leads to mathematical understanding and deep number sense.

It begins with harnessing the power of counting.

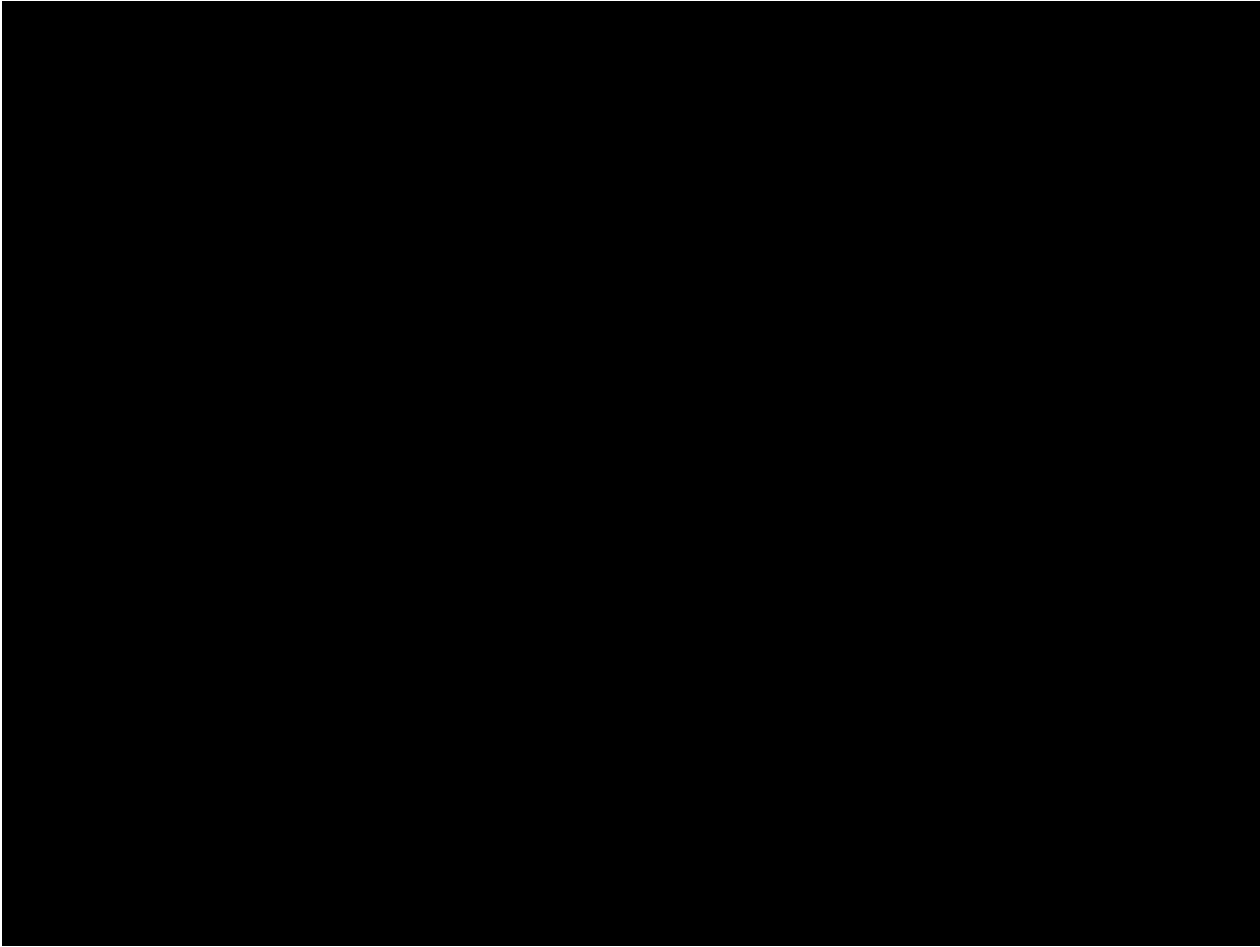
Why do we need to focus on counting
in the early grades?

Give them a purpose



Why do we count?





A close-up photograph of seven light-colored wooden blocks arranged in a horizontal line on a wooden surface. Each block has a single letter printed in a bold, black, sans-serif font. The letters, from left to right, are P, U, R, P, O, S, and E. The background is a wooden surface with a visible grain, and several other wooden blocks with various letters are scattered around the main row, some in focus and some blurred.

P U R P O S E



Other Tasks ...

Do we have enough ...

How long will it take ...

How far did that go ...

What other ideas do you have?

Share some other ways you can give children a purpose for counting.



Exploring Patterns



DREME Network Anna

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

0	1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18	19
20	21	22	23	24	25	26	27	28	29
30	31	32	33	34	35	36	37	38	39
40	41	42	43	44	45	46	47	48	49
50	51	52	53	54	55	56	57	58	59
60	61	62	63	64	65	66	67	68	69
70	71	72	73	74	75	76	77	78	79
80	81	82	83	84	85	86	87	88	89
90	91	92	93	94	95	96	97	98	99

Name _____

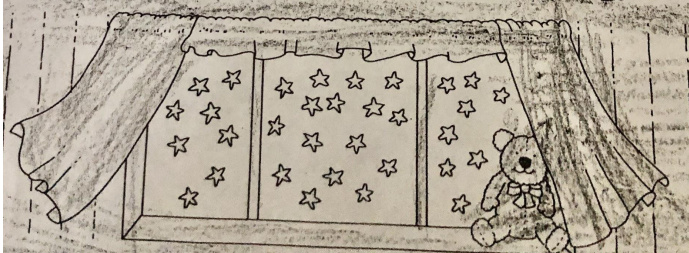
Counts, reads
& writes
whole #'s

Hundreds Chart

Write the missing numbers.

(Pre)

1	2	3	4	5	6	7	8	9	10
11	91	30	15	15	8	70	18	90	15
21	20	23	41	50	20	27	80	41	71
55	57	58	52	49	36	19	73	84	40
30	44	28	70	45	88	90	85	55	50
51	40	95	92	78	41	57	91	91	57
31	62	91	74	88	50	54	68	82	22
33	44	73	80	71	76	88	96	83	69
81	96	77	55	85	92	22	33	89	71
93	92	100	108	111	112	112	114	115	100



Paste/tape here. →



1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110

LESSON
4•10

Continuing Scroll Page



These patterns extend to other numbers ...
greater than 100, fractions, decimals,
negative numbers ...

Using Context





Mathematical Reasoning Begins as early as age 3

Progression for Problem Solving

Children progress from:

- ❑ Using actual objects
- ❑ Pictures of the objects
- ❑ Manipulatives to represent actual objects
- ❑ Pictures of manipulatives
- ❑ writing number sentences to match their drawings
- ❑ writing only the number sentence

Apples

Nick and Joshua went apple picking. Nick climbed up a tree and picked 3 apples. Joshua picked 1 apple. They put their apples together in a basket. When they looked into the basket, how many apples did they see? Show how you know.

EMILY

Apples

Nick and Joshua went apple picking. Nick climbed up a tree and picked 3 apples. Joshua picked 1 apple. They put their apples together in a basket. When they looked into the basket, how many apples did they see? Show how you know.



" I know it's 4 because look...
I counted it in my hands. "

Apples

Nick and Joshua went apple picking. Nick climbed up a tree and picked 3 apples. Joshua picked 1 apple. They put their apples together in a basket. When they looked into the basket, how many apples did they see? Show how you know.



Harness the power of counting in
purposeful ways.





IMPORTANT

Reason #1: Give them a purpose for counting.

Reason #2: Call their attention to patterns.

Reason #3: Provide Context for Problem Solving

Powerful

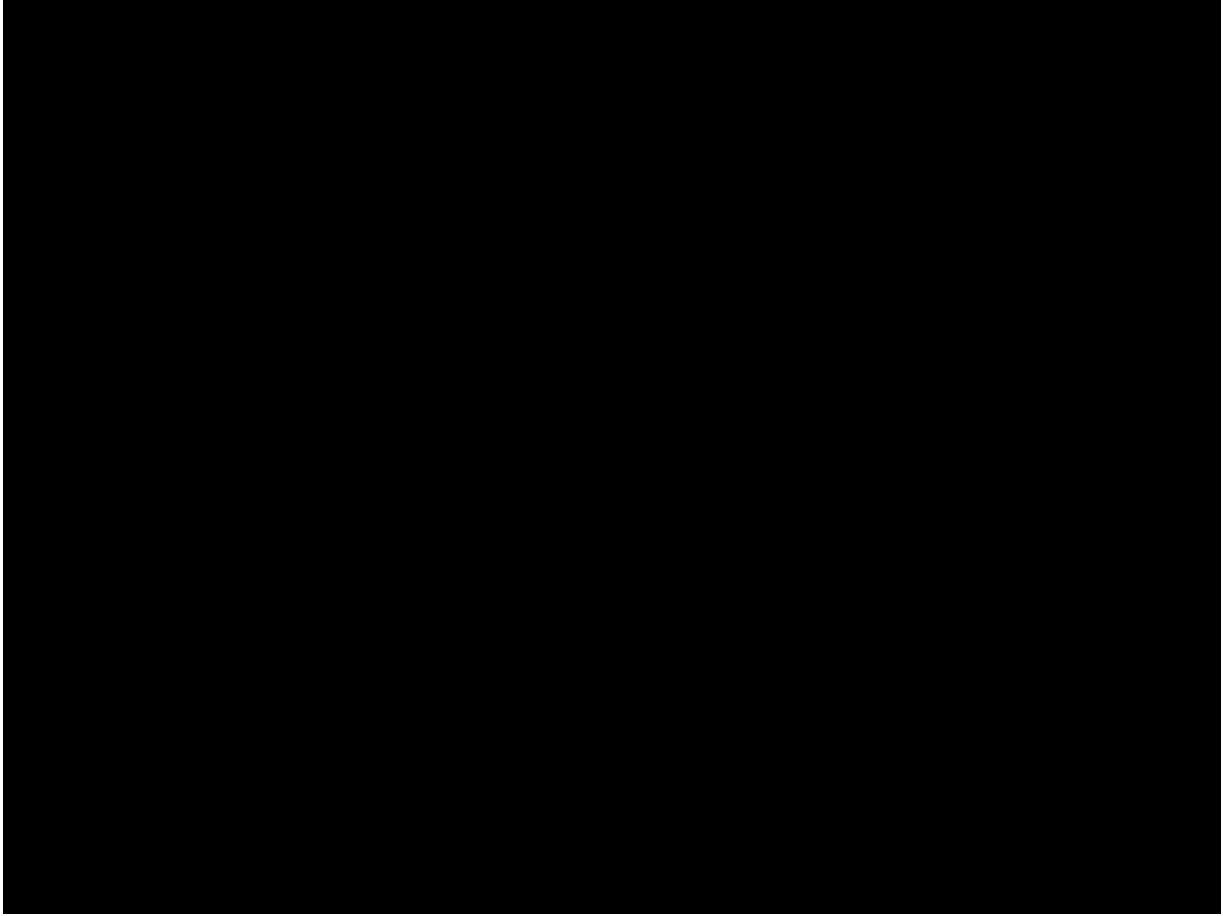


A vibrant scene featuring several bright yellow daffodils in the lower-left foreground. The flowers are in various stages of bloom, with some fully open and others as buds. The background is a clear, bright blue sky with a few wispy white clouds. The overall composition is bright and cheerful, suggesting a spring setting.

Confidently set your students up for success in mathematics.

Harnessing the power of counting in purposeful ways.

Help your students develop deep number sense and a true understanding of mathematics.





Can you imagine YOUR students bursting with confidence? I can!

Are you ready to
build Powerful Problem Solvers??

Join me for



**Counting
on Number
Sense**



PREK - 1ST GRADE



BY THE END OF THE COURSE, YOU WILL

- ✓ have a roadmap for creating confident problem solvers in your early childhood classroom.
- ✓ have proven and powerful tools and activities at your fingertips.
- ✓ be energized and excited because you will know how to build a strong foundation in counting to set your students up for success.

WHAT YOU GET IN THE COURSE

- **Part I: Building Foundational Understanding** - You'll develop your toolkit of understanding the importance of counting. You'll learn the language you need to describe what you see your kids doing and you'll learn how to move them forward in their journey.
- **Part II: Developing your toolkit** - You'll explore topics and concepts in counting from small numbers, to larger numbers to problem solving. You'll learn the most powerful activities and tools that you can use with your students immediately.
- **Part III: Taking Action** - You'll work with my support to take all of your new learning and create an action plan, ensuring that your students become stronger counters and stronger problem solvers as a result of the time you spend in the course.

\$6,000 VALUE

~~\$6,000~~

\$297

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