

Kindergarten - Suggested **Math Instructional Resources**

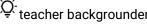


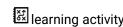
Number Sense

(Numbers represent quantities that can be decomposed into smaller parts.)

Curricular Content	Curricular Competencies (The student can)	Online Resources	Print Resources (all are available in the DLC or in schools)
Ways to make 5	Build five in many ways (ie. 2 and 3, 4 and 1, 2 and 2 and 1) using concrete materials like blocks.	Subitizing Slides Kindergarten Number Sense Routines Introducing Which One Doesn't Belong in Kindergarten Kindergarten Specific Number Talks by Parrish	Messy Maths (Robertson, 2016) Chapters 3&4











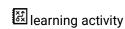




Curricular Content	Curricular Competencies (The student can)	Online Resources	Print Resources (all are available in the DLC or in schools)
Representing numbers to 10	Represent quantities to 10 with materials, pictures and numbers.	Cuisenaire Rods for K/1/2 Dot Cards and Ten Frame Activities Subitizing Games Lessons Ideas for Number Sense, Operations, Measurement and Geometry	Place Value in Primary (Fullerton, 2016) Representing Numbers to 10 (pp.55-58) Using 10-Frames (pp.59-62) Messy Maths (Robertson, 2016) Chapters 3 and 4 One to One Matching of Number Names to Objects (p.52) Making a Staircase Number Line (p.64) Elementary and Middle School Mathematics (Van de Walle, 2022) Chapter 7 (pp.118-144) Number Talks – Whole Number Computation p. 74-88
Counting to 10	Count to 10 in sequence and with one-to-one correspondence.	Counting Collections Counting Collections - Math 4 Love Domino Sorting - Math 4 Love Feet Under the Table - You Cubed A Act Task: Dotty Popping Balloons	How Many? A Different Kind of Counting Book (Danielson, 2018) Messy Maths (Robertson, 2016) Chapters 3 and 4 • The Number Line Sorting Factory (p.65) • Counting Backwards as well as Forwards (p.51) Elementary and Middle School Mathematics (Van de Walle, 2022) • Chapter 7 (pp.118-144)









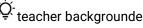


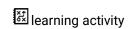




Curricular Content	Curricular Competencies (The student can)	Online Resources	Print Resources (all are available in the DLC or in schools)
Decomposing numbers to 10	Compose and <u>decompose</u> numbers to 10 in many ways using materials, pictures and numbers.	Splats through 10 20 Days of Number Sense Game: How Many are Hiding	Messy Maths (Robertson, 2016) Chapters 3 and 4 • Petra's Dice Pattern Game (p.58)
Compare more or less	Put numbers in sequence/order. Say whether a set of blocks/cubes has more or less than another set.	Game: Comparing Cards Game: Face Off Information on Place Value	Place Value in Primary (Fullerton, 2016) Comparing and Ordering Numbers: More than (pp. 36-37) and Less Than (pp.38-40) Messy Maths (Robertson, 2016) Chapters 3 and 4 Environmental Number Lines (p.58) Pocket Number Lines (p.50) Elementary and Middle School Mathematics (Van de Walle, 2022) Chapter 7 (pp.118-144)
Change in quantity to 10 using concrete materials	Use materials like blocks to show how many is one more or two more than a number. Use materials like blocks to demonstrate understanding of build and change math stories such as "Show me three blocks. What do you need to do to change that to a group of five blocks?"	중 Game: Evergreen Subitizing Games	Messy Maths (Robertson, 2016) Chapters 3 and 4 • Making a Staircase Number Line (p.64) • 'Show me' Games (p.74) • Adding on Games (p.75) Elementary and Middle School Mathematics (Van de Walle, 2022) • Chapter 7 (pp.118-144)

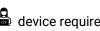














General Resources

General Strategies and Routines	Coast Metro Math Project Which One Doesn't Belong Puzzles, Problems and Tasks	Dot Card and Number Talks Week of Inspirational Math Math Applications	Supporting Numeracy in Early Years Building Thinking Classrooms Estimation
Building Our Understanding	Coast Metro Math Project What is number sense?	Information on Subitizing Progression of Early Number	Building Math Fact Fluency Concreteness Fading
Classroom Assessment	- Coast Metro Math Project	Assessing Curricular Competencies	
Indigenous Connections	- Coast Metro Math Project	When Seagull Stole the Sun	BC Numeracy Network
Planning	BC Numeracy Network - - Math Year Plan For K-5	Critical Concepts Map Spiraling the Curriculum	Planning - Year, Week, Day

This document intentionally focusses on number sense and computational fluency as these are foundational skills that can be spiraled throughout the rest of the content standards while being grounded in the curricular competencies.

