



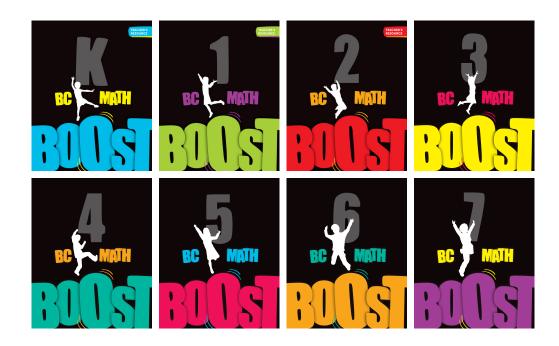


About BC Math Boost

BC Math Boost are supplemental materials that support your current math resources and ensure complete coverage of the redesigned BC mathematics curriculum. Students will continue to learn and develop Core and Curricular Competencies in mathematics through new, customized lessons developed to fill the gaps in existing resources. Nelson developed these materials to ensure seamless integration by providing teachers with detailed direction and guidance on to how use *BC Math Boost* in combination with current resources, lessons, and classroom teaching plans.

Key Features

- Includes all the lessons, masters, and teaching notes you need to fill the gaps in your current math resources
- Includes a Summary Chart showing where these new lessons fit with current math resources and what lessons from current resources can be omitted
- Identifies the Learning Standards addressed for each lesson, including the Curricular Competencies and Content
- Financial literacy and First Peoples perspectives and knowledge are embedded throughout the series



Resource Component Overview

For Students

Kindergarten-Grade 2	
Activity Blackline Masters	Stude
Activity Blackline Masters included in the Teacher's	1
Resource	Ea Ea
	SC
	pr

For Teachers

Kindergarten-Grade 2	Grades
 Teacher's Resource Summary Charts: Summary Charts show where BC Math Boost lessons integrate with Math Focus and Math Makes Sense Identifies where new lessons fit Identifies where new lessons fit Identifies when an existing lesson can be omitted Identifies Core Competencies, Curricular Competencies, and Content Learning Standards addressed by each chapter and leagen 	Teacher Sum Ο S Ιε
 and lesson Assessment includes <i>What to Look For</i> and <i>What to Do</i> charts with each lesson Online Teacher's Resource Online access to the Teacher's Resource and Activity Blackline Masters <i>Summary Charts</i> correlate to <i>Nelson Math Focus</i> and <i>Math Makes Sense</i> Math activities related to First Peoples Principles of Learning, including background information 	 Assemise sugg Prep Mat. Online Online Online Stud Sum and Mat.



es 3–7

ent Resource

- Student Resource per grade
- ach lesson includes worked examples and
- olutions; as well as reflecting, checking, and
- practising questions

es 3–7

ner's Resource

- ummary Charts:
- Summary Charts show where BC Math Boost
- lessons integrate with Math Focus and Math
- Makes Sense
- Identifies where new lessons fit
- Identifies when an existing lesson can be omitted
- Identifies Core Competencies, Curricular Competencies, and Content *Learning Standards* addressed by each chapter and lesson
- ssessment for Learning chart includes
- isconceptions and differentiated instruction
- reparation and Planning charts and lath Background

e Teacher's Resource

- nline access to the Teacher's Resource and
- tudent Module for Grades 3–7
- ummary Charts correlate to Nelson Math Focus nd Math Makes Sense
- lath activities related to First Peoples Principles of earning, including background information





Teacher's Resource

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Teacher's Resource Summary Chart

Chapter 4: Length and Capacity Summary Chart for Using Math Boost 1 and Math Focus 1 **Core Competencies Focus** ▲ Students have opportunities for **communication** as they we with classmates to measure and estimate, and to make their own measuring tools. Sharing their thinking as v collaborate to plan, carry out, and review constructions and activities helps students learn to work toge Students work toward their own personal awareness and responsibility when bey use measurements they know to help them estimate and then measure and compare their estimates with the reasurements. The

self-determination involved in continuing to estimate and revise their estimates helps u. in their thinking and have the confidence to make changes based on more information.

🔒 Big Idea: Objects and shapes have attributes that can be described, measured, and compared. 🦲

Resources	Learning Standards	
Math Focus I Math Boost I	Curricular Competencies Focus	
Jump In: Measurement Party, Math Focus Teacher's Resource, Chapter 4, pages 10–11	Com. Crating and represent. Crolain and justify mathematical lac. Crolain decisions	
 4.1: Comparing Attributes, Math Focus Teacher's Resource, Chapter 4, pages 12–13 	Connecting and reflections Connect mathematical conceptore each other and to other areas and personal interests	 direct measurement uniform and uniform
4.2: Comparing Heights, Math Focus Teacher's Resource, Chapter 4, pages 14–15		This lesson and not Grade I Learning
4.3: Comparing Lengths, Math Focus Teacher's Resource, Chapter 4, pages 16–17		This lesson does not Grade I Learning Sta
4.4: Measuring Around Objects, Math Focus Teacher's Resource, Chapter 4, pages 18–19		This lesson does not Grade I Learning Sto
4.5: Ordering Objects by Length, Math Focus Teacher's Resource, Chapter 4, pages 20–21		This lesson does not Grade I Learning Sto
Lesson C: Measuring Length Using Non-Uniform Units, <i>Math Boost</i> Teacher's Resource, pages 26–27	Understanding and solving: Develop, demonstrate, and apply mathematical understanding through play, inquiry, and problem solving	• u. + measurement (non *orm and ur
Lesson D: Measuring Length Using Uniform Non-Standard Units, <i>Math</i> <i>Boost</i> Teacher's Resource, pages 28–29	Reasoning and analyzing: Use technology to explore mathematics	direct measurement (non-uniform and ur Recognizing animal th
Lesson E: Making a Measuring Tool, Math Boost Teacher's Resource,	Reasoning and analyzing: Estimate reasonably	 food and protect then direct measurement (non-uniform and ur
pages 30-31		To connect this lesso bring in children's boo illustrated by First Per First Peoples themes
Non-Standard Units, Math Boost Connect mathematic	Connecting and reflecting: Connect mathematical concepts to	 direct measurement (non-uniform and ur
	each other and to other areas and personal interests	Hand shadows have Peoples cultures, the pastime, teaching chi recognition of animal required for hunting.

Sample Lesson included in this sampler

Sample Math Tools included in this sample

NEL



r toward a common goal. gain confidence ontent 🧲 h non-standard units (nondress the British Columbia ards Content. Pritish Columbia Iress . Irds Cont ress the British Colum rds Content. ress the British Columbia irds Content h non-standard units n-standard units ks helped i Peoples find h non-standard unit ith First Peoples studies, that were written or es authors or artists, or have h non-standard units ich history. In many First ere a common fireside en dexterity, perspective, and ouettes, which were all skills

and Math Focus I

9

Summary Charts show how BC Math *Boost* lessons can be integrated with existing resources to ensure 100% alignment to the new BC curriculum

Identifies Core Competencies, Big Ideas, Curricular Competencies, and Content Learning Standards

Identifies when to use lessons from existing resources and when to use BC Math Boost lessons

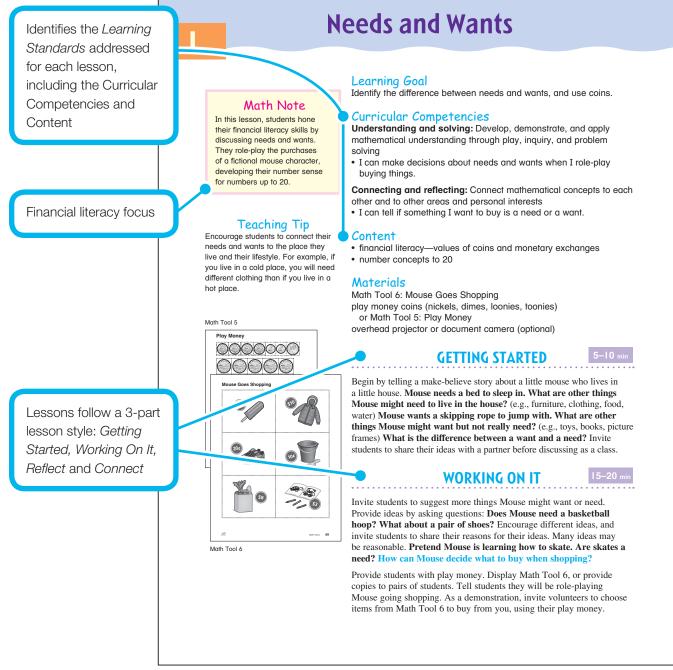
Identifies lessons in existing resources that no longer address Learning Standards and can be omitted





Teacher's Resource

Lesson L: Needs and Wants



Teacher's Resource Lesson L: Needs and Wants

To encourage skip counting, tell students they must use the same kind of coin for each purchase. As students make their purchases, ask them to explain if each item is a want or a need, and why, After the demonstration, have students break into pairs to continue the role-play. One student can show the number of coins needed to buy an item, and the other student can check. Ask questions to prompt communication _____ Realist and needs. How up you know the [popsicle] is a want? How do you know the [winter coat] is a need? If students run out of items to buy on Math Tool 6, they can think of their own items.

	Opportunities	for Feedback
What to Look For		What to Do
 Watch and listen for indications that students can distinguish between needs and wants, and explain why needs come before wants (Why did you say the [food] was a need? Why did you say the [colouring book] was a want? Why must people make sure they have enough money for the things they need before they buy the things they want?) count multiples of the same denomination (The [food] costs \$8. What coins can you use to pay for it? Can you think of other coins you could use? Here are some [toonies]. Do I have enough toonies to pay for a [winter coat] that costs [\$10]?) 		 Observe students as they class and explain their thinking. Stud needs and wants overlapping. need, but expensive restaurant Use a document camera or coi an overhead projector to provic counting. Students can say the new coin.
"I'm finished"		REFLECT AND CONN
Students could think about their own needs and wants. Have them draw a picture of one thing they need and one thing they want but do not really need.	 Invite some of the pairs to share with the class the items they bought for Mouse. How did you decide that [shoes] are a need? How did you decide that [a pail and a shovel] Imagine Mouse wants a [baseball glove]. Can when a [baseball glove] might be a need? Connect the lesson to students' lives by leading the their own needs and wants. What are some things need? What are some things you need? 	

I think the winter coat

is a need. Mouse needs a

coat during winter.

The coat costs \$10.

I can pay for it with

toonies: 2, 4, 6...

Keep Going

Students can draw something Mouse needs on one side of a piece of paper and something Mouse wants on the other side. Pairs or small groups can share and discuss their drawings.



classify needs and wants Students may struggle with bing. For example, food is a urant food is a want.

or coin transparencies on provide practice with coin y the total as you add each

15-20 mi INECT

s their reasoning about the

ovell are a want? Can you think of a time

ig the discussion toward hings you want but don't

Highlighted words focus on curricular competencies addressed in the lesson

Assessment: What to Look For and What to Do charts with each lesson

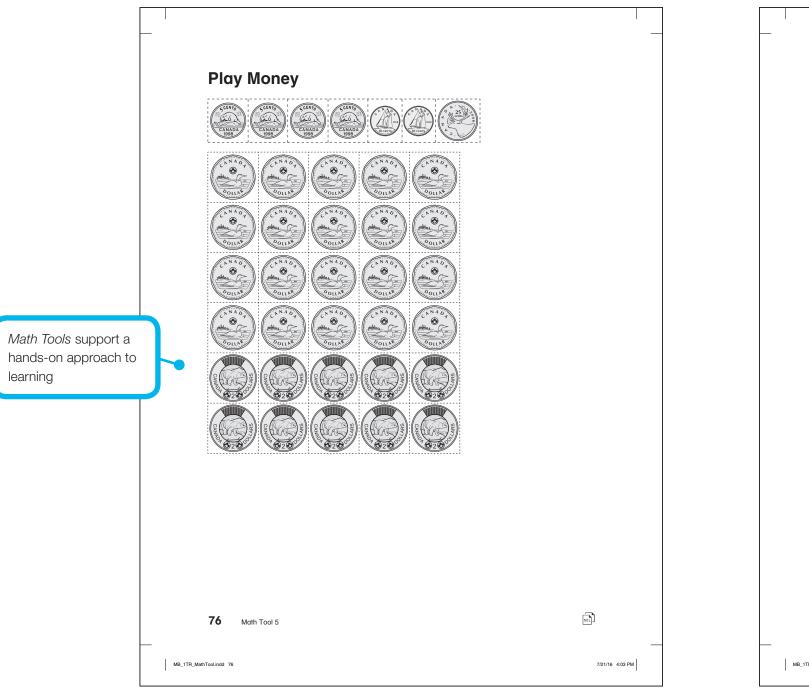
Provides further activities for students who have completed their work



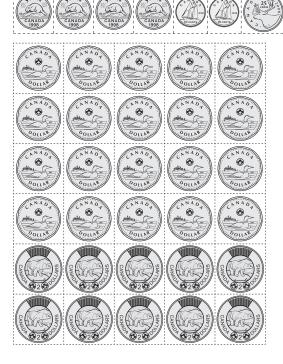


Teacher's Resource

Math Tool 5: Play Money



Teacher's Resource Math Tool 6: Mouse Goes Shopping



Play Money

MB_1TR_MathTool.indd 76

learning











Notes



Order Information



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