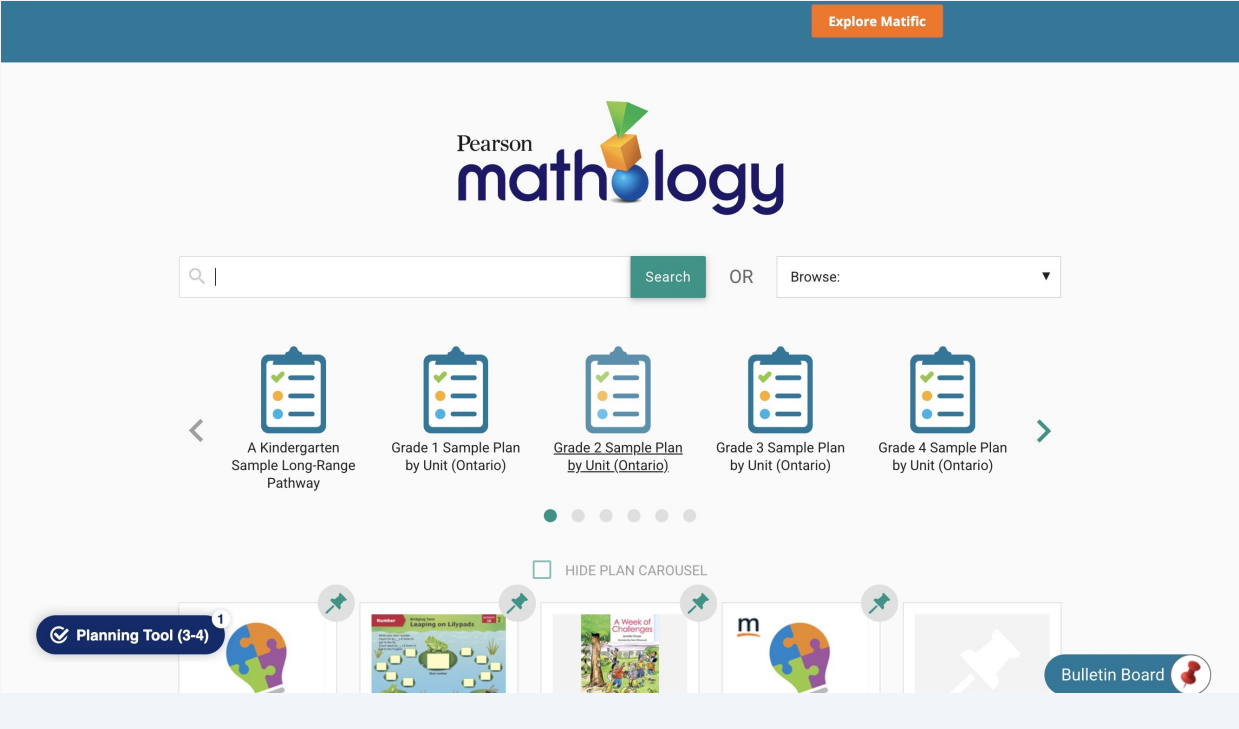


# Teaching-Finding Digital Tools from lessons- Gr 1-3

This guide shows you how to find and use the digital tools from a grade 1-3 lesson.

1 Navigate to <https://etr.mathology.ca/#main>



## 2 Click "Grade 2 Sample Plan by Unit (Ontario)"

Pearson **mathology**

Search OR Browse: ▾

< A Kindergarten Sample Long-Range Pathway Grade 1 Sample Plan by Unit (Ontario) **Grade 2 Sample Plan by Unit (Ontario)** Grade 3 Sample Plan by Unit (Ontario) Grade 4 Sample Plan by Unit (Ontario) >

HIDE PLAN CAROUSEL

**Planning Tool (3-4)** Algebraic Expressions: Mathematical Counting: Bridging Tens (Ontario) A Week of Challenges: Teacher Guide Number Relationships and Place Value: Bulletin Board

## 3 Click "Number: Grouping and Place Value (Oct.)"

Section 1: Plan Contents






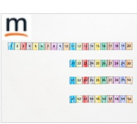

Interactive Math Tools	0/1	>
Patterning & Algebra: Repeating Patterns (Sept.)	0/7	
Number: Counting (Sept.)	0/7	
Patterning & Algebra: Increasing/Decreasing Patterns (Oct.)	0/12	
Number: Number Relationships 1 (Oct.)	0/8	
<b>Number: Grouping and Place Value (Oct.)</b>	0/9	
Measurement: Using Non-Standard Units (Nov.)	0/6	
Measurement: Using	0/9	
Number: Operational Fluency (Nov.)	0/7	
Patterning & Algebra: Equality and Inequality	0/9	


Section 2: Lessons & Resources

Interactive Math Tools


Interactive Math Tools: Grades K-4 **FAVOURITE**

## 4 Click "Grouping and Place Value: Building Numbers to 100 (Ontario)"

Number: Operational Fluency (Nov.)	0/7		describe numbers and quantities as sets of 10s and leftover 1s compose and decompose numbers to 100 determine 10... TAGS: Grade 2 Little Book Number	
Patterning & Algebra: Equality and Inequality (Dec.)	0/9			
Number: Number Relationships 2 (Jan.)	0/6		<b>Back to Batoche: Teacher Guide</b> A family enjoys many different activities at the Back to Batoche Métis festival. Back to Batoche offers children opportunities to describe numbers and quantities as sets of 10s and leftover 1s compose and decompose numbers to 100 determine 10... TAGS: Grade 2 Little Book Number	 FAVOURITE
Number: Conceptualizing Addition and Subtraction (Jan.)	0/8			
Data: Data Management (Feb.)	0/12			
Geometry: 2-D Shapes (Feb.)	0/7			
Geometry: Geometric Relationships (March)	0/7			
Number: Early Fractional Thinking (March)	0/8			
Measurement: Time (Apr)	0/3			
Number: Financial Literacy (April)	0/8		<b>Grouping and Place Value: Building Numbers to 100 (Ontario)</b> This activity focuses on composing and decomposing two-digit numbers as units of tens and leftover ones. In pairs, students build two-digit numbers using Base Ten Blocks for groups of ten (rods) and leftover ones (cubes) on a place-value mat, name numbers... TAGS: Grade 2 Activity Number-12	 FAVOURITE
Number: Multiplicative Thinking	0/8		<b>Grouping and Place Value: Making a Number Line (Ontario)</b> This activity focuses on determining 10 more or less than a number without counting. To start, students add trains of ten to a number modelled with linking cubes and note how the tens digit changes as each train is added. In pairs, students cut out the...	 FAVOURITE

 **Planning Tool (3-4)**


## 5 Click "Lesson"



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### Grouping and Place Value: Building Numbers to 100 (Ontario)



ABOUT
LESSON
ASSESSMENT
DIFFERENTIATED...
PRACTICE

#### About this lesson

This activity focuses on composing and decomposing two-digit numbers as units of tens and leftover ones.


In pairs, students build two-digit numbers using Base Ten Blocks for groups of ten (rods) and leftover ones (cubes) on a place-value mat, name numbers represented with tens and ones, and identify how many more ones are needed to make another ten.

To consolidate, students discuss how they built and named the numbers, then talk about how the number of ten rods and the number of leftover cubes relate to the digits of the number.


TAGS: Grade 2 Activity Number-12

Content Background ▾

ACTIVITY TIME	45-50 min
GROUP SIZE	Pairs



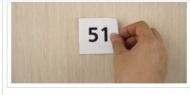
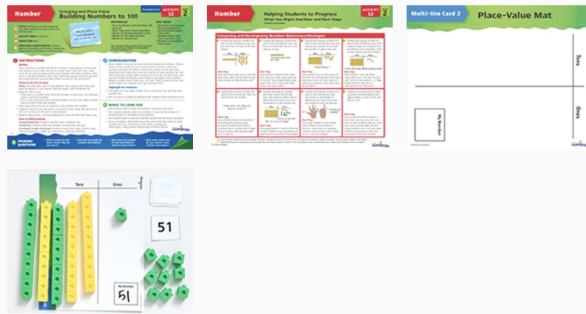
Learning Highlights: Building Numbers



Learning Connections: Number - Grouping and Partitioning

## 6 Click "Pearson Canada Place-Value Counters Tool"

### Images



Learning Highlights: Building Numbers



Learning Connections: Number - Grouping and Partitioning

### Interactives

Use the Place-Value Counters Tool in front of the class to explore building two-digit numbers using tens and ones. Drag a textbox to the workspace and enter a two-digit number. Have a volunteer drag groups of 10 tens and single counters to the workspace to show the number. Or build a number using groups of 10 tens and single counters and have students identify the number.

**Planning Tool (3-4)**

Pearson Canada Place-Value Counters Tool

Cookie Settings

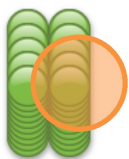
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## 7 Use any of the tools on the left side to drag into the work area

Place-Value Counters



0



8 Click here to find alternate versions of the tool

Place-Value Counters

0

Place-Value Counters

9 Click an alternate version if needed

Place-Value Blocks

Place-Value Counters

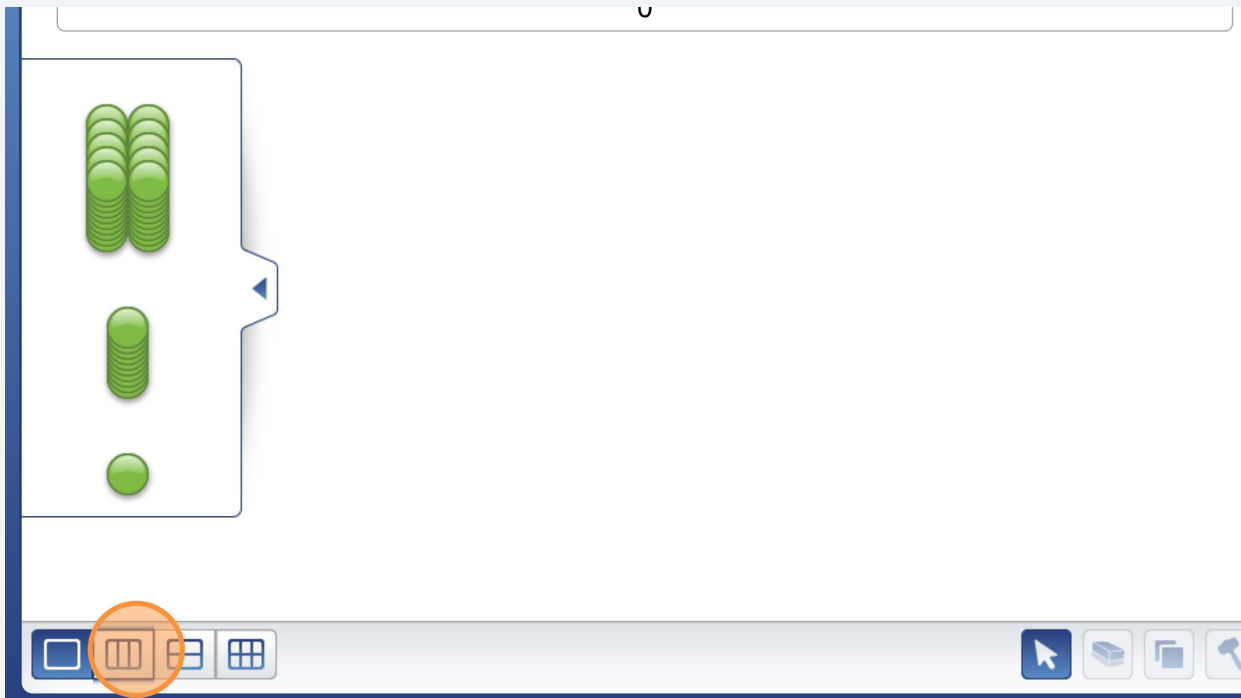
Place-Value Environments

Arrays

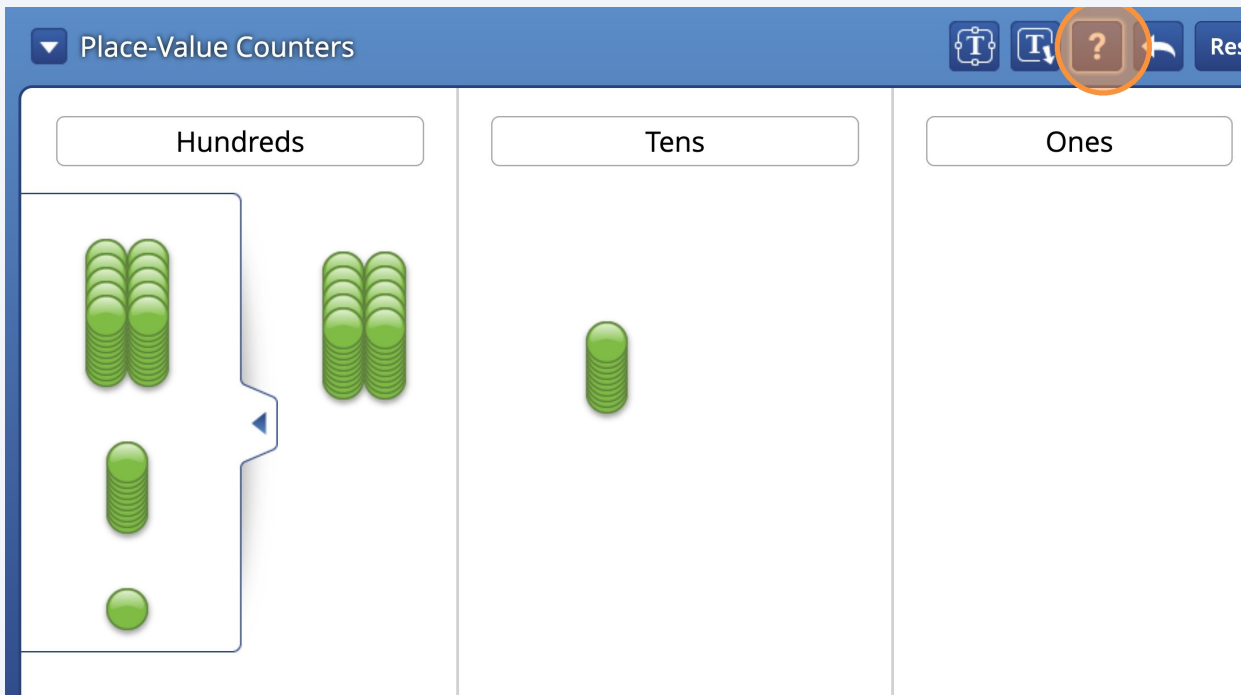
Place-Value Counters

0

10 Click the small images at the bottom to change the workspace



11 Drag items into the workspace



12

Copy and paste the URL into a google classroom or wherever you share digital resources for students to use.