

Planning: Use sample Plans

This guide offers a way to navigate mathology plans, making it easier for educators to access comprehensive lesson plans and teaching materials. By following the steps outlined, users can efficiently locate essential components, assessments, and differentiation strategies tailored to their needs.

1 Click "arrow_right" to find all the grade plans

The screenshot displays the Pearson Mathology website interface. At the top center is the Pearson Mathology logo. Below the logo is a search bar with a magnifying glass icon, a green "Search" button, and the text "OR Browse:" followed by a dropdown arrow. Below the search bar is a carousel of five sample plans, each represented by a clipboard icon with a checklist. The plans are labeled: "Grade 5 Sample Plan by Unit (Ontario)", "Grade 6 Sample Plan by Unit (Ontario)", "Grade 7 Sample Plan by Unit (Ontario)", "Grade 8 Sample Plan by Unit (Ontario)", and "Grade 9 Sample Plan by Unit (ON)". A large orange circular button with a right-pointing arrow is positioned to the right of the carousel. Below the carousel is a "HIDE PLAN CAROUSEL" checkbox. At the bottom, there is a "Plan Carousel" with four items: "Algebraic Expressions: Mathematical Modelling: Top 10 (ON only)", "Number Relationships and Place Value: Representing Larger Numbers", "Addition and Subtraction: Estimating Sums and Differences (Ontario)", and "Array's Bakery". A blue button labeled "Planning Tool (3-4)" is located in the bottom left corner.

2 Click a grade plan

Pearson **mathology**

Search OR Browse: ▾

Grade 5 Sample Plan by Unit (Ontario) Grade 6 Sample Plan by Unit (Ontario) Grade 7 Sample Plan by Unit (Ontario) Grade 8 Sample Plan by Unit (Ontario) Grade 9 Sample Plan by Unit (ON)

HIDE PLAN CAROUSEL

Algebraic Expressions: Mathematical Modelling: Top 10 (ON only)

Number Relationships and Place Value: Representing Larger Numbers

Addition and Subtraction: Estimating Sums and Differences (Ontario)

Array's Bakery

Planning Tool (3-4)

Bulletin Board

3 Click a unit

mathology Search... Home Favourites Plan Analytics Matific Dashboard Help on@mathology.ca on@mathology.ca

← Grade 5 Sample Plan by Unit (Ontario) Use Sample Plan

Section 1: Plan Contents

Interactive Math Tools	0/1	>
Number: Number Relationships and Place Value (Sept)	0/5	
Patterning & Algebra: Patterning (Sept)	0/5	
Number: Fluency with Addition and Subtraction (Oct)	0/5	
Number: Fractions and Decimals (Oct)	0/10	
Measurement: Mass, Capacity and Volume (Nov)	0/7	
Number: Fluency with Multiplication and Division (Nov)	0/8	
Data Unit: Data Management		

Section 2: Lessons & Resources

Interactive Math Tools

Interactive Math Tools: Grades 5-8 FAVOURITE

4 Click a lesson


Section 1: Plan Contents

Interactive Math Tools	0/1
Number: Number Relationships and Place Value (Sept)	0/5 >
Patterning & Algebra: Patterning (Sept)	0/5
Number: Fluency with Addition and Subtraction (Oct)	0/5
Number: Fractions and Decimals (Oct)	0/10
Measurement: Mass, Capacity and Volume (Nov)	0/7
Number: Fluency with Multiplication and Division (Nov)	0/8
Data Unit: Data Management (Dec)	0/8
Patterning & Algebra: Variables and Equations (Jan)	0/7

Planning Tool (3-4)

Section 2: Lessons & Resources


Number: Number Relationships and Place Value (Sept)




Number: Readiness Task: Number Relationships and Place Value

For students to have a strong sense of the magnitude of numbers and how numbers relate, they must recognize that smaller numbers are contained within larger numbers. Students' development of place-value understanding begins with the bundling of quantities...

TAGS: Grade 5 Readiness Task Number-1


 FAVOURITE




Number Relationships and Place Value: Representing Larger Numbers

In pairs, students use the context of numbers of moose in Newfoundland to represent 5- and 6-digit numbers in place-value charts, expanded form, and words. To consolidate, students discuss ways to read and represent 6-digit numbers, and use another form...


TAGS: Grade 5 Activity Number-1

 FAVOURITE




Number Relationships and Place Value: Comparing Larger Numbers

In pairs, students compare and order the maximum seating at 5 sports stadiums and show their thinking using various tools (e.g., place-value charts and number lines). To consolidate, students discuss strategies for comparing and ordering whole numbers, including...

 FAVOURITE

5 Within each lesson you will find an About page




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[Matific Dashboard](#)
[Help](#)

[on@mathology.ca](#)

←

Number Relationships and Place Value



ABOUT
LESSON
ASSESSMENT
NEXT STEPS
PRACTICE

About this lesson

In pairs, students use the context of numbers of moose in Newfoundland to represent 5- and 6-digit numbers in place-value charts, expanded form, and words.

To consolidate, students discuss ways to read and represent 6-digit numbers, and use another form of expanded notation to represent these numbers.

TAGS: Grade 5 Activity Number-1

Content Background ▾

Focus

Lesson Focus: Representing 6-digit numbers in a variety of ways

Additional Focus: Describing place-value patterns and relationships in whole numbers

6 Click Lesson to find all the components for teaching

The screenshot shows the Mathology website interface. At the top, there is a navigation bar with the Mathology logo, a search bar, and links for Home, Favourites, Plan, Analytics, Matific Dashboard, and Help. The user is logged in as 'on@mathology.ca'. Below the navigation bar, the page title is 'Number Relationships and Place Value' and 'Representing Larger Numbers'. A horizontal menu contains tabs for 'ABOUT', 'LESSON', 'ASSESSMENT', 'NEXT STEPS', and 'PRACTICE'. The 'LESSON' tab is highlighted with an orange circle. Below the menu, there is a 'Number' section with a red arrow pointing to the right. To the right of this section is a 'Materials' list with a red box indicating 'ACTIVITY 1' and 'GRADE 5'. The materials list includes links to various PDFs and Word documents, such as 'Math Mat 8: Place-Value Chart (Comparing) (PDF) (WORD)', 'Math Mat 22: Open Number Lines (PDF) (WORD)', 'Master 1: Place-Value Chart to Hundred Thousands (PDF) (WORD)', 'Master 2: Open Number Line (PDF) (WORD)', 'Master 3: Place-Value Relationships (PDF) (WORD)', 'Master 4: Spin, Roll, and Add! (PDF) (WORD)', 'Master 5: Spin, Roll, and Subtract! (PDF) (WORD)', 'Master 6: Graphing Place Value (PDF) (WORD)', 'Practice (PDF) (WORD)', 'Practice Answers (PDF) (WORD)', 'Assessment (PDF) (WORD)', and 'Lesson Slides (PDF) (PowerPoint)'. Below the materials list, there are two columns: 'INSTRUCTIONS' and 'CONSOLIDATION'. The 'INSTRUCTIONS' section includes a note 'Before (5-10 min)' and lists the numbers 13 286, 61 328, and 86 132. The 'CONSOLIDATION' section has two paragraphs: 'Have students share their representations of the numbers of moose.' and 'Introduce another way to write a number in expanded form, e.g., 765 432 can be written as $(7 \times 100\,000) +$ '.

7 Click Assessment for the digital assessment tool

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8

Click Next steps or Differentiation to find addition materials

The screenshot shows the Mathology website interface. At the top, there is a navigation bar with the Mathology logo, a search bar, and links for Home, Favourites, Plan, Analytics, Matific Dashboard, and Help. The user's email address, on@mathology.ca, is displayed on the right. Below the navigation bar is a dark blue header with a back arrow, the page title "Number Relationships and Place Value Representing Larger Numbers", and a heart icon. A horizontal menu contains tabs for ABOUT, LESSON, ASSESSMENT, NEXT STEPS, and PRACTICE. The "NEXT STEPS" tab is highlighted with an orange underline and a circular callout. The main content area is divided into three sections: "Mini-Lessons" with two items (Intervention and Extension), "Possible Misconceptions" with one item, and "After The Lesson" with one item. A vertical sidebar on the right edge is labeled "Professional Learning".

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← Number Relationships and Place Value Representing Larger Numbers

ABOUT LESSON ASSESSMENT **NEXT STEPS** PRACTICE

Mini-Lessons

Intervention: Students having difficulty reading numbers greater than 10 000 and writing them in expanded form >

Extension: Students ready to use place value to compare large numbers >

Possible Misconceptions

Student misunderstands place value and is unable to visualize the numbers. >

After The Lesson

Next Steps In Class >

Professional Learning