PRE-ASSESSMENT 3

Finding Each Student's Pathway

SAMPLE MATERIAL INSIDE

FINDING EACH STUDENT'S PATHWAY

Math Pre-Assessment is a uniquely designed resource to help educators understand and customize each student's math education. The resource is developed by a team of expert math educators and backed by research. *Math* Pre-Assessment enables educators to compare a student's math understanding to their curriculum, identify gaps in understanding and ensure each student is ready for new curriculum material all with this easy to use assessment tool.

Each pre-assessment is created from a **DEVELOPMENTAL TRAJECTORY**. These developmental trajectories are research-supported pathways that students go through to understand mathematics concepts and skills as they move along a learning continuum.

Developmental Trajectory

Key Features

- Provides the developmental trajectories to give a whole picture of math development from grade 1–6.
- Assesses whether students have the procedural knowledge and conceptual understandings for the grade specific curriculum.
- Pre-assessments identify where a student is on the developmental trajectory.
- Includes next steps for instruction, gap closing or intervention.



The operations of addition. subtraction. multiplication, and division are interrelated.

Financial literacy is the basis for making responsible decisions about money, and considering the impact the decisions have on oneself and on others.

Answering The Question: "Are My Students Ready?"



	Comparing Numbers to 1000: Pre-assessment page xx			
Identifies the Strand, the Application(s) and the	O NUMBER Place Value and Barrosenting Numbers	QUESTIONS	RATIONALE	SCORING
item(s) for the application.	Opporter, Order, Relate QUESTIONS RATIONALE SCORING NEXT STEPS 1. Circle the models that show Students identify quantities incorrect Provide experience: Image: them them 00 Students identify quantities incorrect Provide experience:	 Write the numbers from least to greatest. 77, 51, 73, 15 15, 51, 73, 77 	Students order a set of 2-digit numbers from least to greatest. Comparing digits to order numbers demonstrates an understanding of place value and helps with organizational skills.	incorrec
Answer provided.	A, C A, C	 5. Write the number for each model. Circle the greater number. a) 23 b) 19 23 is circled as the greater number 	Students write numbers to match base 10 block models and determine the greater number. Understanding that some blocks have a greater value than others is a prerequisite for using place value to compare digits.	incorrec
Recommended intervention. Contains the "Look Fors" and an explanation for why the question is included.	 Which number is greater? Circle it. a) 11 or 8 b) 23 or 32 c) 44 or 49 49 C) 44 or 49 He compare numbers have the same number of digits, they can compare the digits from left to right. d) incorrect a) incorrect c) a) incorrect c) comparing numbers to 20 by aligning with counters for one-to-one correspondence b) or c) b) or c) c) and helps students realize b) or c) b) or c) c) and helps is the number of digits, they can compare the digits from left to right. 	 6. Which number is less? Circle it. a) 98 or 110 98 b) 253 or 410 253 c) 657 or 652 652 	Students compare a 2-digit number and a 3-digit number, and then two 3-digit numbers. Counting the number of digits, and then comparing digits by place value from left to right establishes a strategy for comparing whole numbers.	incorrec c) incorrec
Look at: Identify possible items on the trajectory to close gaps.	 Write 90, 5, and 48 on the number line. Students mark numbers on a number line. Locating numbers on a number line combines number sense and spatial sense related to benchmarks. Benchmarks help when determining which number is greater or less, and also how much greater or less it is than another number. 	 7. Which number is greater: 845 or 806? How do you know? 845 For example, I counted the digits. Both numbers have 3 digits. The hundreds digits are the same so I looked at the tens digits. 4 is greater than 0, so 845 is greater than 806. 	Students compare numbers with the same number of digits and the same hundreds digit, and explain their strategy. Verbalizing a strategy requires thinking through each step.	incorrec inadequat explanatio
suggestions for scaffolding understanding of concepts and skills identified in the question.	2 NEL	NEL	3	correc



Math Pre-Assessment Order Information

Title	ISBN			
Math Pre-Assessment Grade 1				
Book + Online Teaching Centre (Ontario)	9780176830892			
Book + Online Teaching Centre (WNCP)	9780176833497			
Book + Online Teaching Centre (BC)	9780176833558			
Math Pre-Assessment Grade 2				
Book + Online Teaching Centre (Ontario)	9780176830908			
Book + Online Teaching Centre (WNCP)	9780176833503			
Book + Online Teaching Centre (BC)	9780176833565			
Math Pre-Assessment Grade 3				
Book + Online Teaching Centre (Ontario)	9780176830915			
Book + Online Teaching Centre (WNCP)	9780176833510			
Book + Online Teaching Centre (BC)	9780176833572			
Math Pre-Assessment Grade 4				
Book + Online Teaching Centre (Ontario)	9780176830922			
Book + Online Teaching Centre (WNCP)	9780176833527			
Book + Online Teaching Centre (BC)	9780176833589			
Math Pre-Assessment Grade 5				
Book + Online Teaching Centre (Ontario)	9780176830939			
Book + Online Teaching Centre (WNCP)	9780176833534			
Book + Online Teaching Centre (BC)	9780176833596			
Math Pre-Assessment Grade 6				
Book + Online Teaching Centre (Ontario)	9780176830946			
Book + Online Teaching Centre (WNCP)	9780176833541			
Book + Online Teaching Centre (BC)	9780176833602			
Math Pre-Assessment Grade 7				
Book + Online Teaching Centre (Ontario)	9780176903992			
Math Pre-Assessment Grade 8				
Book + Online Teaching Centre (Ontario)	9780176904005			





