

Mathematics Block/Unit Overview

Strand	Numbers	Topic:	Number sense	Grade:	4
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Specific Curriculum Expectations

B1.1 Whole Numbers

read, represent, compose, and decompose whole numbers up to and including 10 000, using appropriate tools and strategies, and describe various ways they are used in everyday life

B1.2 Whole Numbers

compare and order whole numbers up to and including 10 000, in various contexts

B1.3 Whole Numbers



round whole numbers to the nearest ten, hundred, or thousand, in various contexts

Mathematical Concepts & Skills:	Big Ideas:
<ul style="list-style-type: none">• Whole numbers• Place values• Rounding• Representation• Composition vs decomposition	Whole numbers can be composed, decomposed, rounded, and represented.


Assessments:	Learning Goals:
<ul style="list-style-type: none">• Exit ticket• Observation• Physical activity• Partner work• Board work	I can read, represent, compose, and decompose whole numbers.
Summative/Culminating Task:	I can compare and order whole numbers.
Performance task of a set of 5 numbers.	I can round whole numbers to the nearest place value.

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Lesson Planning

Overview of Lessons:	Resources/Materials:
<p>1 Identifying and representing whole numbers in everyday life.</p> <ul style="list-style-type: none"> • Whole numbers in real life video • Students share their birth date whole numbers and can group together based on numbers (all kids born on the 1st of the month in one group) • As a class we create a birthday display • Work on how to read larger whole numbers • Discuss why is it called a “whole” number? 	<p>https://youtu.be/jupnUkB9J2A</p> 
<p>2 Composition and decomposition of whole numbers</p> <ul style="list-style-type: none"> • Introduction video on what is composing and decomposing • Ask students to compose and decompose simple numbers on the board to make sure they understand the concept • Increase numbers • Use base 10 blocks at desks to solve larger number problems written on the board • Complete exit ticket 	<p>Compose & Decompose 4 Digit Number Exit Ticket</p> <div data-bbox="824 1213 1328 1444" style="border: 1px solid black; padding: 5px;"> <p>1. Decompose the number 5,317.</p> <hr/> <p>2. Compose 8 thousands, 2 hundreds, 5 tens, and 7 ones</p> <p>_____ + _____ + _____ + _____ = _____</p> </div>  <p>https://youtu.be/lhSKQElr7_4</p>
<p>3 Comparing and ordering whole numbers</p> <ul style="list-style-type: none"> • Show video on comparing whole numbers 	<p>https://youtu.be/KVp5h8wYviE</p>

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<ul style="list-style-type: none">• Work on numbers worksheet individually• Ordering activity – assign each student a number (numbers up to 10 000) and have them wear a sign• Students need to work together to find their place in line from least to greatest number in order	<p>1 of 1</p> <p>Name: _____ Date: _____ Number: _____</p> <p><u>Comparing Whole Numbers</u></p> <p>Compare the numbers. Use <, >, =.</p> <ol style="list-style-type: none">1. 4,349 _____ 4,4392. 988,881 _____ 989,8813. 34,588 _____ 34,5884. 10,010 _____ 10,0015. 1,938 _____ 1,3986. 801 _____ 8107. 999,993 _____ 999,9398. 1,021,999 _____ 1,201,9999. 675,982 _____ 67,59810. 23,900 _____ 239,000 
<p>4 Rounding whole numbers</p> <ul style="list-style-type: none">• Rounding to the nearest place value video• Class answers board questions together• Students test each other in pairs – one student writes down a number for their partner to round to the 10,100,1000,10 000.	<p>https://youtu.be/di2t7U63NN8</p>
<p>5 performance task</p> <ul style="list-style-type: none">• Each student assigned a set of 5 numbers to work on individually• Step 1: order these numbers from smallest to greatest• Step 2: round each number to the nearest 10, 100, 1000, 10 000 (if applicable)• Step 3: create 2 composition and decomposition questions and solve them using the 5 numbers assigned	

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Links to Resources / Materials: