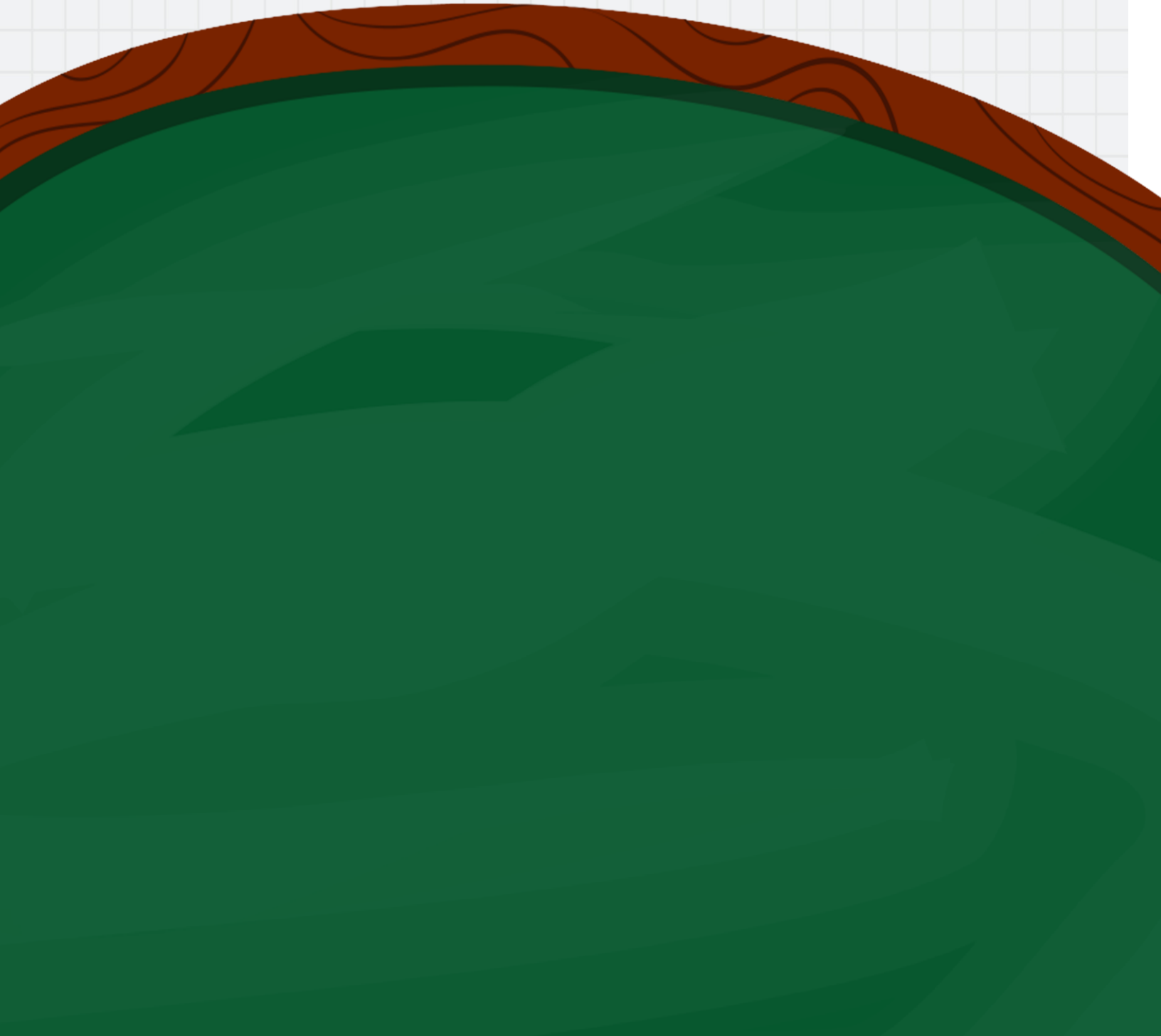




schoolio

GRADE 3 MATH - NUMBERS





SCHOOLIO ONTARIO CURRICULUM GRADE 3 MATH TABLE OF CONTENTS

Unit 1: Numbers	
Unit 2: Algebra	
Unit 3: Data	
Unit 4: Spatial Sense	
Unit 5: Financial Literacy	



SCHOOLIO ONTARIO CURRICULUM

GRADE 3 MATH – TABLE OF CONTENTS

Unit 1: Whole Numbers To 1000	<ol style="list-style-type: none">1. Read and Represent Numbers to 10002. Compare Numbers to 10003. Ordering Numbers to 10004. Rounding5. More Practice Rounding6. Skip Counting7. Place Value to 1000
Unit 2: Numbers II: Fractions	<ol style="list-style-type: none">1. Fair Sharing2. More Fair Sharing3. Reviewing Fractions4. Equivalent Fractions
Unit 3: Numbers III: Mental Health	<ol style="list-style-type: none">1. Strategies for Mental Math 1: Estimating2. Strategies for Mental Math 2: Rounding3. Strategies for Mental Math 3: Dropping Zeros
Unit 4: Numbers IV: Addition & Subtraction	<ol style="list-style-type: none">1. Adding and Subtracting: Concrete Algorithm2. Adding and Subtracting: Stacked3. Adding and Subtracting: Decomposing4. Adding and Subtracting Practice
Unit 5: Numbers V: Multiplication & Division	<ol style="list-style-type: none">1. 9s and 1s2. 2s Times Tables3. 5 Times Tables4. 10 Times Tables5. More Practice as Needed6. Multiplying Other Numbers7. Multiplying Other Numbers8. Related Division Facts9. Dividing Using Grouping10. Dividing Using Arrays11. Multiplication and Division Practice12. Multiplying and Dividing Fractions13. Repeated Addition of Unit Fractions14. Ratios15. Scaling Up Ratios

NUMBERS I: WHOLE NUMBERS TO 1000

Lesson 1: Read and Represent Numbers to 1000

Discussion:

- ✎ You've probably learned that once you can count to 100, you can count to anything.
- ✎ We're going to practice counting to 1000
- ✎ Counting to 1000 is like counting to 100, but everything repeats over again, like how after 20, the ones digits repeat themselves, and then tens digits repeat themselves, so too do the hundreds digits, and in the same order.
- ✎ Last year you counted to 200, so you know how after 100, you start back at 1, but it's 101, and count up to 199 before it becomes 200. After 200, you start back at 1 again, but it's 201 and goes to 299, and then it's 300. And so on.
- ✎ Let's practice

Activity:

1000 Blocks

Lesson 2: Compare Numbers to 1000

Discussion:

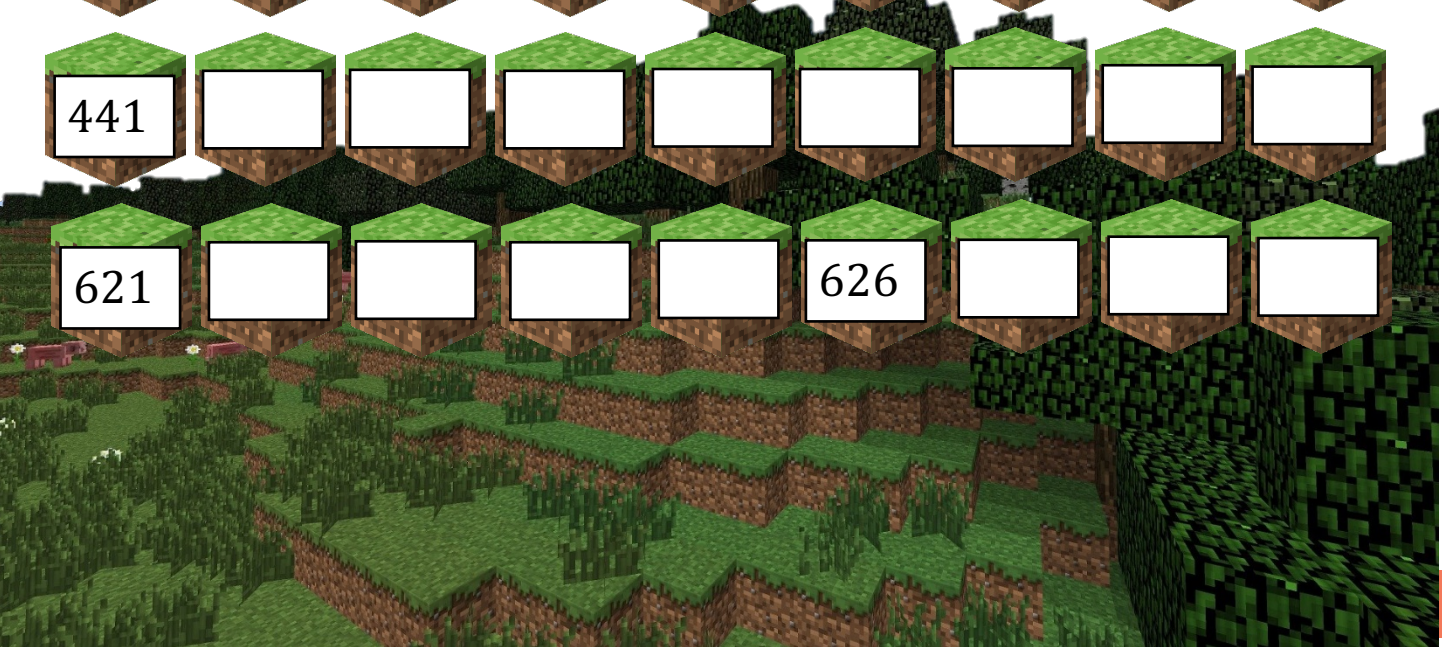
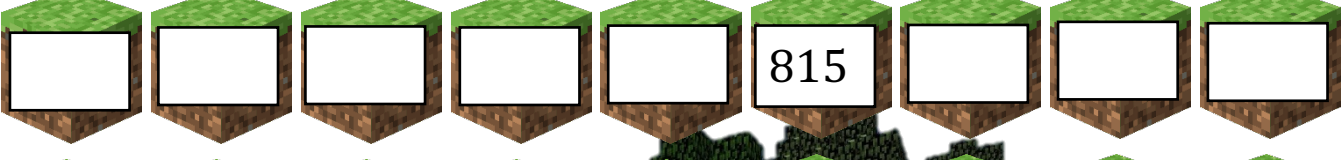
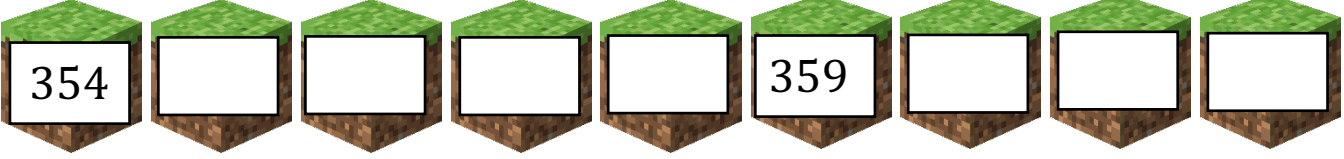
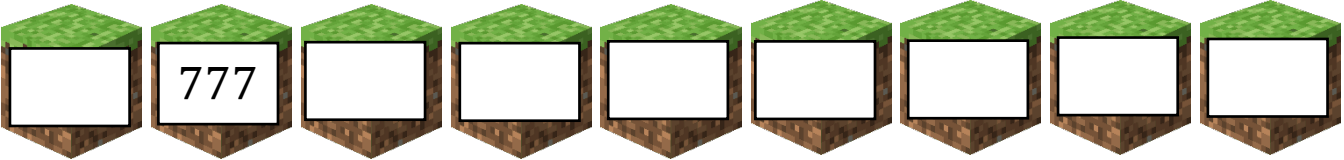
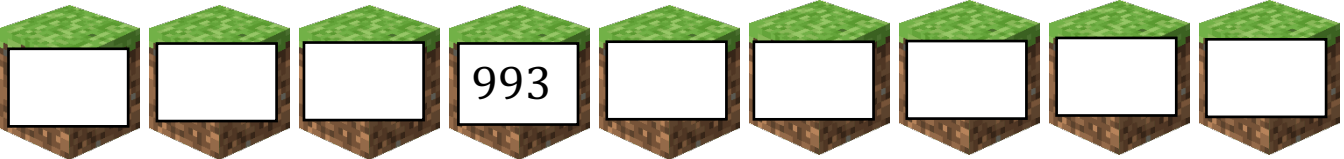
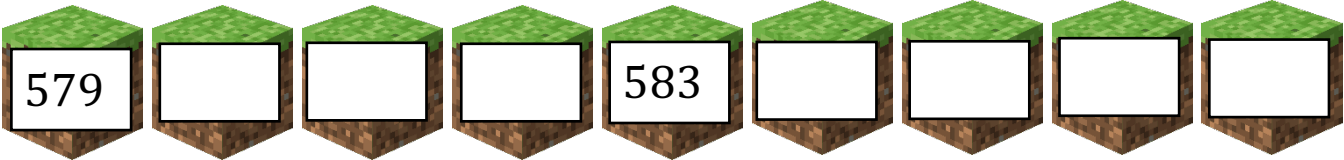
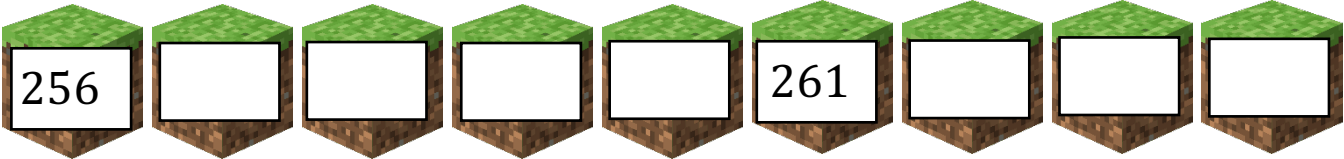
- ✎ Once you've learned to count to 1000, you have a good understanding of the order the numbers go in, and what is higher or lower value.
- ✎ Can you see which number is larger? 150 or 320?
- ✎ Start with the hundreds column. 300 is larger than 100, no matter what the tens and ones digits are doing.
- ✎ Which is larger? 497 or 437?
- ✎ If the hundreds column is the same value (400), then move to the tens column. 90 is larger than 30, no matter what the ones column is, so 497 is the larger number.
- ✎ Which is larger? 672 or 679?
- ✎ If the hundreds column is the same value (600) and the tens column is the same value (70) then we're moving on to look at the ones column. In this case, 9 is larger than 2 so 679 is the larger number.
- ✎ Let's practice

Activity:

Comparing Numbers

1000 Blocks

Fill in the missing numbers on each block.





Comparing Numbers



Circle the llama with the highest number.



Lesson 3: Ordering Numbers to 1000

Discussion:

✎ Ordering numbers from highest to lowest or lowest to highest helps us sort information.

✎ Look at these numbers:

112 327 233 715 442 98

✎ Let's put them in order from smallest to biggest.

✎ First, find the smallest number. Start from the front. 112. Put your finger on 112, it's our smallest number so far (it's our only number so far!).

✎ The next number is 327. Is 327 smaller than 112? No. Keep your finger on 112 then, it's still our smallest number.

✎ The next number is 233. Is 233 smaller than 112? No. Keep your finger on 112 then, it's still our smallest number.

✎ The next number is 715. Is 715 smaller than 112? No. Keep your finger on 112 then, it's still our smallest number.

✎ The next number is 442. Is 442 smaller than 112? No. Keep your finger on 112 then, it's still our smallest number.

✎ The next number is 98. Is 98 smaller than 112? Yes, it is! Move your finger to 98. That's our new smallest number.

✎ There are no more numbers, so 98 is our smallest number. You write it in your answer space, and then cross it out so you don't count it again.

112 327 233 715 442 ~~98~~

✎ Now you repeat the same thing again. Here's a hint: were any other numbers smaller than the 112 before we got to 98? (If they weren't, you already know the next smallest number in your answer!)

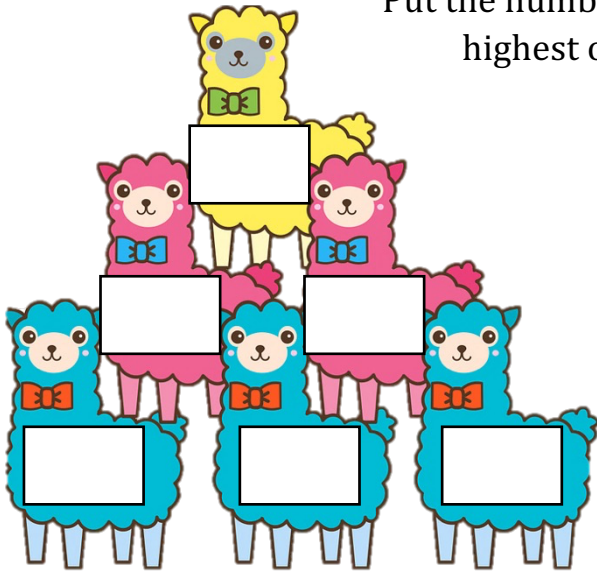
✎ Here are some spaces for your answers. See if you can put all the numbers in order from smallest to biggest.

98 _____

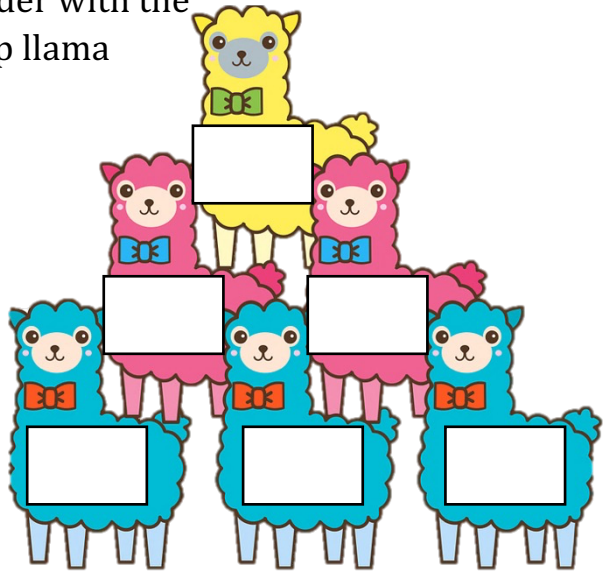
Activity: Ordering

Ordering

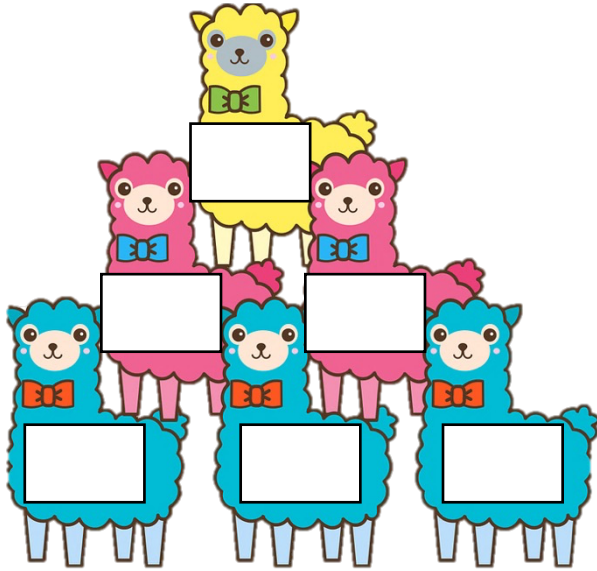
Put the numbers in order with the highest on the top llama



543, 312, 567, 890, 459, 752



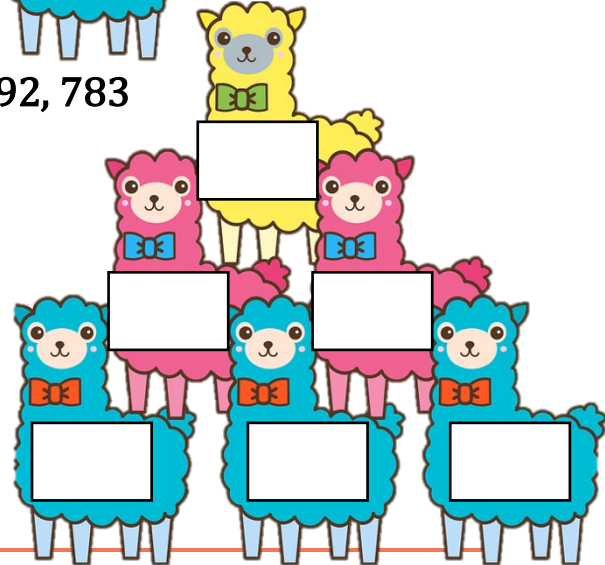
215, 837, 459, 721, 963, 258



672, 818, 445, 980, 392, 783



342, 153, 520, 649, 223, 363



897, 123, 798, 531, 264, 870