



schoolio

GRADE 2 MATH

NUMBERS



SCHOOLIO ONTARIO CURRICULUM GRADE 2 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 2 MATH – NUMBERS

TABLE OF CONTENTS

Unit 1: Numbers I: Whole Numbers to 200	<ol style="list-style-type: none">1. Counting to 2002. Composing and Decomposing Numbers to 2003. Comparing Values of Whole Numbers to 2004. Ordering Numbers to 2005. Estimating Collections of Objects6. Skip Counting by 207. Lesson 7: Skip Counting by 258. Lesson 8: Skip Counting by 509. Lesson 9: Even and Odd10. Lesson 10: Even and Odd
Unit 2: Numbers II: Fractions	<ol style="list-style-type: none">1. Fair Sharing2. More Fair Sharing Practice3. Reviewing Fractions4. One Piece and Two Pieces
Unit 3: Numbers III: Properties Of Operations	<ol style="list-style-type: none">1. Fact Families2. Larger Fact Families
Unit 4: Numbers IV: Addition & Subtraction	<ol style="list-style-type: none">1. Adding and Subtracting Facts to 20, Pt. 12. Adding and Subtracting Facts to 20, Pt. 23. Subtracting Skills4. Getting Faster with Addition and Subtraction to 205. Addition to 2006. Subtracting Larger Numbers7. Subtracting Larger Numbers: More Practice
Unit 5: Numbers V: Multiplication & Division	<ol style="list-style-type: none">1. Groups2. Groups of Fractions3. More Practice with Groups of Fractions4. Dividing as Sharing

Lesson 2: Composing and Decomposing Numbers to 200

Discussion:

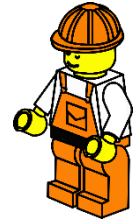
-  Composing and decomposing numbers is when we build a number from its parts, or break a number down into its parts.
-  By parts, we usually mean a numbers' hundreds, tens, and ones.
-  Recall your place values:
 - ✓ In the number 147:
 - 147 is the ones column value
 - 147 is the tens column value
 - 147 is the hundreds column value
-  Now let's decompose the number 147:
 - ✓ How many hundreds are in the number above?
 - There is **1 group of 100** in the number 147.
 - ✓ How many tens are in the number above?
 - There are **4 groups of ten** in the number 147.
 - Did you say 40? Remember, 40 is a name of the number that means 4 groups of ten.
 - ✓ How many ones are in the number above?
 - There are **7 ones** in the number 147.
 - ✓ So when we break a number up into its parts, or decompose it, we're simply showing each place value separately.
 - ✓ 147 looks like this: $100 + 40 + 7$
-  Now let's compose a number that is already decomposed.
 - ✓ Here are the numbers parts: $100 + 30 + 2$
 - ✓ What do you think it will be?
 - ✓ $100 + 30 = 130$, $130 + 2 = 132$.
 - ✓ Did you get 132?

Activity:

Building and Breaking Down Numbers



Building and Breaking Down Numbers



Build the numbers from the pieces given:

1. $100 + 50 + 8$

6. $100 + 20 + 1$

2. $100 + 90 + 5$

7. $100 + 10 + 3$

3. $100 + 30 + 2$

8. $100 + 60 + 4$

4. $100 + 70 + 7$

9. $50 + 2$

5. $100 + 40 + 9$

10. $100 + 80 + 6$

Decompose the numbers into their parts.

11. 147

16. 132

12. 178

17. 114

13. 126

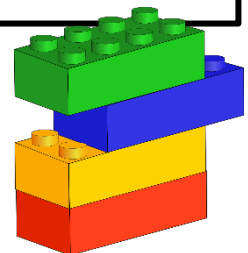
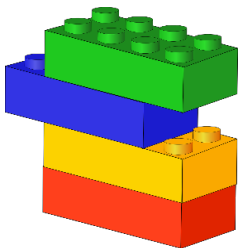
18. 151

14. 199

19. 103



15. 54

20. 165



Lesson 3: Comparing Values of Whole Numbers to 200

Discussion:

-  Comparing values is looking at numbers and determining the higher and lower values
-  Imagine going to the store to buy a book. If one book costs \$13 and another costs \$17, you need to know the values of those numbers to know which is more expensive.

Activity:

Comparing Values



Comparing Values



Circle the highest number in the set.

1. **76 67 117**

2. **123 94 132**

3. **99 101 19**

4. **66 167 75**

5. **143 49 89**

6. **111 62 121**

7. **85 89 118**

8. **176 113 62**

9. **98 102 89**

10. **195 98 194**

Circle the lowest number in the set.

11. **177 77 117**

12. **64 164 146**

13. **18 81 181**

14. **137 67 147**

15. **199 197 198**

16. **54 16 118**

17. **12 21 200**

18. **15 5 195**

19. **41 14 147**

20. **11 85 162**



Name any number with...

1. A value higher than 127. _____

2. A value lower than 56. _____

3. A value higher than 116 but lower than 122. _____