



# TERRY FOX

## Lesson Plan

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### Sharing his story with your students

#### **Lesson: Terry Fox in Numbers**

**Learning Goal:** Students will show their understanding of numbers related to Terry Fox, by representing them in base ten blocks, words, ordering and rounding to the nearest ten, hundred and thousand. This can be broken into two separate lessons if necessary.

#### **Materials/Media:**

- Appendix A: Terry Fox in Numbers - Junior (base ten, place value, ordering, words and rounding)
- Appendix B: Numbers About \_\_\_\_\_ - Junior

#### **Instructions:**

1. Review with students how to read and print whole numbers in words. Encourage students to use a number word chart for correct spelling.
2. Review how to represent numbers using base ten blocks. Reminder, a dot is called a unit which represents 1, a rod is a stick that represents 10, a square is a flat that represents 100 and a cube represents 1000. Encourage students to use base ten blocks to help them, if necessary.
3. Review how to represent numbers on a place value chart (eg/ 47 is 4 tens and 7 ones, or it could be 3 tens and 17 ones)
4. Review rounding numbers to the nearest ten, hundred and thousand.
5. Ask students to share numbers that relate to them, (ie/ age, shoe size, number of pets, favourite number, jersey number for sports, etc.) and model how to represent them in pictures, base ten blocks and words.
6. Distribute Appendix A: Terry Fox in Numbers - Junior to each student (or pair of students). Read through each of the numbers, explaining how each one relates to Terry Fox.

**Extension:** Hand out Appendix B: Numbers About \_\_\_\_\_ and have students complete their own number poster. Encourage students to challenge themselves by using larger numbers (instead of saying 9 years old, try 108 months old).

**Assessment:** Assess students' accuracy of representing numbers in base ten blocks, place value, rounding, ordering and words.




**Curriculum Expectations:**

*Number Sense and Numeration*

- Represent, compare, and order whole numbers to 10 000 (gr. 4), 100,000 (gr. 5), 1,000,000 (gr. 6) using a variety of tools (e.g., drawings of base ten materials, number lines).
- Read and print in words whole numbers to 1,000 (gr. 4), 10,000 (gr. 5), 100,000 (gr. 6), using meaningful contexts (e.g., books, highway distance signs).
- Round four-digit whole numbers to the nearest ten, hundred, and thousand, in problems arising from real-life situations (gr. 4).

# Appendix A for Mathematics - Terry Fox in Numbers

Number	Base Ten: • unit (1)  rod (10)  flat (100)  cube (1000)	Place Value (come up with 2 ways)
42 average # of km's ran each day		<u>100</u> Thous. <u>10</u> Thous. <u>Thous.</u> <u>Hundreds</u> <u>Tens</u> <u>Ones</u> 4 2 3 12
18 age Terry first diagnosed with cancer		<u>100</u> Thous. <u>10</u> Thous. <u>Thous.</u> <u>Hundreds</u> <u>Tens</u> <u>Ones</u>
143 # of days running in a row during Marathon of Hope		<u>100</u> Thous. <u>10</u> Thous. <u>Thous.</u> <u>Hundreds</u> <u>Tens</u> <u>Ones</u>
101 Number of days in a row Terry trained for his Marathon of Hope		<u>100</u> Thous. <u>10</u> Thous. <u>Thous.</u> <u>Hundreds</u> <u>Tens</u> <u>Ones</u>
2005 year the Terry Fox \$1.00 coin was unveiled		<u>100</u> Thous. <u>10</u> Thous. <u>Thous.</u> <u>Hundreds</u> <u>Tens</u> <u>Ones</u>

<b>Number</b>	<b>Base Ten:</b> • unit (1)  rod (10)  flat (100)  cube (1000)	<b>Place Value</b> (come up with 2 ways)
5,373 # of kilometres ran across Canada		<u>100</u> Thous. <u>10</u> Thous. <u>Thous.</u> <u>Hundreds</u> <u>Tens</u> <u>Ones</u>
3,339 # of miles Terry ran across Canada		<u>100</u> Thous. <u>10</u> Thous. <u>Thous.</u> <u>Hundreds</u> <u>Tens</u> <u>Ones</u>
1980 Year that Terry started his Marathon of Hope		<u>100</u> Thous. <u>10</u> Thous. <u>Thous.</u> <u>Hundreds</u> <u>Tens</u> <u>Ones</u>
2020 The 40th Anniversary of Terry's Marathon of Hope		<u>100</u> Thous. <u>10</u> Thous. <u>Thous.</u> <u>Hundreds</u> <u>Tens</u> <u>Ones</u>



**Order the numbers from greatest to least:**

\_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

<b>Number</b>	Rounding to nearest 10	Rounding to nearest 100	Rounding to nearest 1000	<b>Words</b>
3,339 # of miles Terry ran across Canada	3340	3300	3000	Three thousand three hundred thirty-nine
18 age Terry first diagnosed with cancer				
143 # of days running in a row during Marathon of Hope				
1980 year that Terry started his Marathon of Hope				
2005 year Terry Fox \$1.00 coin was unveiled				
2020 40th Anniversary of Terry's Marathon of Hope				
1977 Terry found out he had a malignant tumour in his right leg				

<b>Number</b>	Rounding to nearest 10	Rounding to nearest 100	Rounding to nearest 1000	<b>Words</b>
<p><b>760</b></p> <p>More than 760 sites in Canada and around the world held their first Terry Fox Run in 1981</p>				
<p><b>42</b></p> <p>Average number of kilometres Terry ran each day during Marathon of Hope</p>				
<p><b>101</b></p> <p>Number of days in a row Terry trained for his Marathon of Hope</p>				
<p><b>2639</b></p> <p>Height in metres of peak in the Rocky Mountains called Mount Terry Fox</p>				
<p><b>83</b></p> <p>Number of km's of Trans Canada Highway re-named Terry Fox Courage Highway</p>				

# Appendix B for Mathematics - Terry Fox in Numbers

<p><b>Number</b> * Challenge yourself to use larger numbers</p>	<p>base ten • unit 1  rod 10 flat 100  cube 1000</p>	<p><b>Place Value</b> (come up with 2 ways)</p>
<p>_____ year when I was born</p>		<p><u>100</u> Thous. <u>10</u> Thous. <u>Thous.</u> <u>Hundreds</u> <u>Tens</u> <u>Ones</u></p>
<p>street number where I live</p>		<p><u>100</u> Thous. <u>10</u> Thous. <u>Thous.</u> <u>Hundreds</u> <u>Tens</u> <u>Ones</u></p>
		<p><u>100</u> Thous. <u>10</u> Thous. <u>Thous.</u> <u>Hundreds</u> <u>Tens</u> <u>Ones</u></p>
		<p><u>100</u> Thous. <u>10</u> Thous. <u>Thous.</u> <u>Hundreds</u> <u>Tens</u> <u>Ones</u></p>
		<p><u>100</u> Thous. <u>10</u> Thous. <u>Thous.</u> <u>Hundreds</u> <u>Tens</u> <u>Ones</u></p>

<b>Number</b> * Challenge yourself to use larger numbers					
Rounding to nearest 10					
Rounding to nearest 100					
Rounding to nearest 1000					
<b>Words</b>					