International Women's Day

Lesson Plan: *Lesson 1 Young Women & The Fight Against Climate Change*

Numeracy Activity: WOMEN IN STEM - Circle Graphs

A study titled "Persistence and representation of women in STEM programs" followed the university careers of nearly 130,000 students to compare the programs chosen by women and men.

For the following questions, round (if necessary) to the tenths place value

1. In this study there were approximately 130,000 people that attended first year university and 55,000 were men. What percentage of the students attending their first year were women?

2. Many of the students decided to choose a career path in STEM (Science, Technology, Engineering, and Mathematics). There were 22,500 men and 17,500 women. What was the total percentage of the students studying STEM were women?

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3. The study identified how many students participated in each field of STEM.

Field of Study	Total students	Men	% Men	Women	% Women
Science Technology		11500		14500	
Engineering	11000			2000	
Math and Computer Sciences	3000	2000			

4. Fill in the following table and create a circle graph on the next page to visually compare the studies of women and men.

	Field of Study	Number of students	Fraction	Percent	Degrees	Colour
women	Science Technology	14500				Light green
	Engineering	2000				Light blue
	Math and Computer Sciences	1000				Yellow
men	Science Technology	11500				Dark green
	Engineering	9000				Dark blue
	Math and Computer Sciences	2000				Orange
TOTAL						

https://www150.statcan.gc.ca/n1/pub/75-006-x/2019001/article/00006-eng.html