



Name: _____

Class: _____ Date: _____

The TX2 Challenge

An extension of "More tigers, please!"

A century ago there were about 100,000 tigers roaming the wild. Today there are fewer than 4,000 according to the WWF's 2016 Global Tiger Status. Conservation efforts since the 1970s could not halt its decline. In 2010, governments of the 13 tiger range countries made a global commitment at the TX2 Summit to double the number of wild tigers by 2022 – the next Chinese year of the tiger. The 13 countries agreed to try and increase the global wild tiger population to over 6,000 by the year 2022.

Instructions

Read carefully "**More tigers, please!**" (page 16, *What's Up* February 2019) to learn of a great campaign and the need for it. Using information from the article and the above paragraph, answer the following questions either in the space provided in the tables below or on the reverse of this sheet.

1.

i. How many years are there in a century?	i.
ii. What is a period of 10 years called?	ii.
iii. What is the percentage decrease in the tiger population over the last century?	iii.

2. In the column next to the four statements, circle T if it is True or F otherwise. In the third column write the reasons for your answers.

i. 13 is the sixth prime	T / F	i.
ii. 13 is 1 less than the sum of the first three non-zero perfect squares	T / F	ii.
iii. When the digits of 13 are reversed it is also a prime	T / F	iii.
iv. 13 is the next number in the Fibonacci sequence 1,1,2,3,5,8,...	T / F	iv.

3. i. Calculate the probable number of wild tigers present in 2010.
- ii. Calculate the average percentage increase in the global wild tiger population each year for the period 2010 to 2016. If this growth rate continues up to 2022, estimate the number of wild tigers the world will have then.
- iii. On a graph paper, draw a bar chart to represent the wild tiger numbers for the years 2010, 2016, and the target for 2022. Comment on the global effect of the TX2 campaign. Do you think the TX2 will have the same effect in all the 13 tiger range countries?