Lesson 31

SS3: Demonstrate an understanding of similarity of convex polygons, including regular and irregular polygons

- A song- one of my absolute favorites!
 Listen to EVERY word! It is very smartly written with a ton of math terms, all used perfectly. Ernie and Stu are interesting triangles. Izzy is too. And then there is that scalene who knows how to dance!
 https://www.youtube.com/watch?v=628eYW408hm
- 2. My lesson: <u>https://youtu.be/UagJhg_-kMo</u>
- 3. Practice: 3 questions to complete on page 72 of your notebooks. I am sorry but I do not have digital copy of the textbook in English at home. Only in French. Read the translation to the right please. My apologies.

9. Tina veut estimer la hauteur de deux arbres. Pour chacun, elle se tient de sorte qu'une extrémité de son ombre touche une extrémité de l'ombre de l'arbre. L'ami de Tina mesure la longueur de son ombre puis celle de l'arbre. Tina mesure 1,7 m.	Tina wants to estimate the height of this tree Tina recognizes that the end of her shadow touches the end of the tree's shadow.
Rayons du soleil	Tina's friend measures the length of Tina's shadow at 2.4 m and the length of the tree's shadow at 10.8m .
a) L'ombre de Tina mesure 2,4 m et l'ombre du	What is the height of the tree?
premier arbre mesure 10,8 m. Quelle est la hauteur de cet arbre ?	



When you have finished, correct your answers using my answer key below.

PTZ Les Solutions / Solutions $\frac{X}{1.7} = \frac{10.8}{2.4} (1.7)$ 9 18.36 2.4m 10.8m 2.4 (X= 7.65m) L'arbre mesure 7.65m. The tree is 7.65 m tall 10 X = 16m (4) 4m 3m 4m 64m2 3 m (x= 21.33m) (21.3m) (21.3m) La hauteur de l'immeuble est 21m. The height of the building is 21m - 140 (39) X HOM 30 40 11 40m 40 m 30 m x = 4200140m 30m 40 (x=105m × Lac Lalune x La longueur du lac Lalune est 105m. The length of the lake is 105m.