Lesson 31

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

1. 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=628eYW4O8hM>
2. My lesson: <https://youtu.be/UagJhg_-kMo>
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.

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|  | 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.  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**.  **What is the height of the tree?** |
|  | 10. When the shadow of a building is 16m long, a picket fence that is 4m tall has a shadow that is 3m long.  **a) Draw a picture.**  **b) What is the height (to the nearest tenth) of the building?**  11. This scale diagram shows the measurements that a land surveyor used to find the length of Lake Lalune.  **What is the length of Lake Lalune?** How do you know? (Show all your work). |

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

