

Louis Sorts Triangles

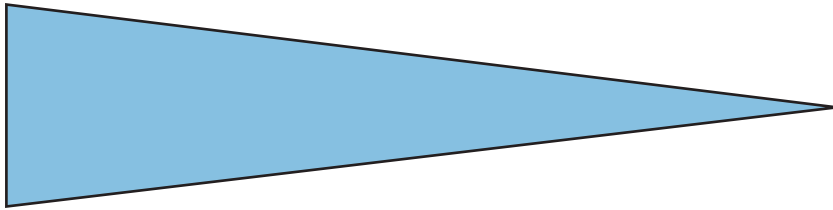
1. Louis started to sort some triangles on his sorting board. Use the cards in the Triangle Sort Cards section and Louis's Sorting Board to continue to sort the triangles. Attach the cards to the sorting board.
 - A. What are the properties of all the shapes in Box B? Label the box on the sorting board.
 - B. What are the properties of all the shapes in Box A? Label the box on the sorting board.
2. What is an appropriate classification for all the shapes in Box A?
3. Sketch a new shape that can only be classified with the shapes in Box A. Label it Shape Z and attach it to the appropriate section of the sorting board
4. Is there one way to classify or name all the shapes in Box B?
5. Sketch a new shape that can only be classified with the shapes in Box B. Label it Shape Y and attach it to the appropriate section of the sorting boarding.
6. Which triangles cannot be classified in Box A or Box B? Why?

7. Sketch a new triangle that cannot be classified in Box A or Box B. Label it Shape X and attach it to the appropriate section of the sorting board.

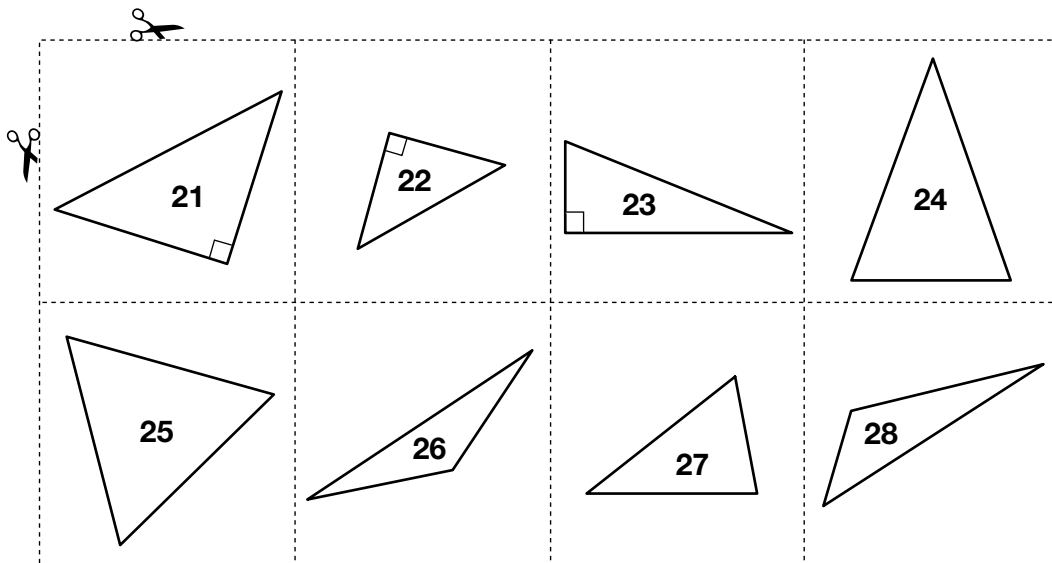
8. What is an appropriate name for all the shapes that can be classified in Box A and Box B?

9. Sketch a new shape that can be classified with shapes in Box A and Box B. Label it Shape W and attach it to the appropriate section of the sorting board.

10. Julie placed the shape below in the section that shows the overlap between Box A and Box B. Do you agree with Julie? Why or why not?



Triangle Sort Cards



Name _____ Date _____

Box A

Louis's Sorting Board

The sorting board is a large rounded rectangle with a dashed border. Inside, there are three right-angled triangles. Triangle 23 is at the bottom left, with its right angle at the bottom right. Triangle 22 is in the center, with its right angle at the top left. Triangle 25 is at the top right, with its right angle at the top left. A dashed box labeled 'Box B' is located at the top left of the board, overlapping the top-left corner of the board's dashed border.

Name _____ Date _____

**Louis Sorts Triangles
Feedback Box**

	Expectation	Check In	Comments
Identify and describe the properties two-dimensional shapes	E4		
Classify two-dimensional shapes in a hierarchy based on properties.	E5		
Justify conclusions using geometric properties.	E7		