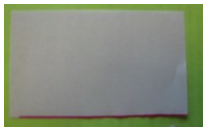
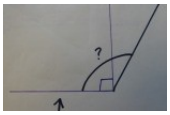
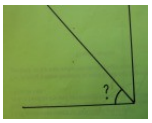
Day 1: Explore Right Angles
Lesson Target: Student will identify and sketch right angles.

Process	Activities/Expected Students' responses	Teacher's Support
Understand the Goal (5 min.)	**Can you make a right angle with two straws?**	**Prepare** index card for Right Angle Finder prior to the lesson. (see *Making Right Angle Finder* below)
Explore/ Investigate/Solve (25 min.)	**Define "**Angle**" is** the figure formed by <u>two lines</u> extending from the same point **Introduce** *Right Angle Finder* 1. Write your name and "Right Angle Finder" on the index card. 2. Put squares on the two bottom corners. 3. Demonstrate how to put the right angle finder at the corner of desks, notebooks, and books. **Find** Right Angels in the classroom with Right Angle Finder. **Discuss/Share** their findings **S:** White Board. **S:** Vocabulary cards **S:** A ruler **S:** A ruler is a very long rectangle. **Ask** if they can make right angles with two straws. How do you prove you made a right angle? **S:** Use a Right Angle Finder. **S:** It should look like a corner of the square. **Explore** to make right angles with 2 straws. **Check** their works with a *Right Angle Finder*.	**Provide** 3x5 index card **Explain** There are some different angles. The corners in squares/rectangles are called "right angles" that Right Angle Finder can fit. They are also called 90 degrees. **Record** in the class chart. **Facilitate** a discussion **Provide** each student 2 straws
Conclude (10 min.)	**Journal Entry:** **1. Sketch a right angle and label it.** **2. How do you prove it is a right angle or 90 degree?** **3. In what kind of polygon right angles can be observed?**	

Assessment:

- **Sketch** a right angle with a label accurately
- **Explain** how to find a right angle and how to prove it with some examples.

How to Make Right Angle Finders

1. **Put** 3 x 5 indent cards together. (Number of your students)	
2. **Flip** open cards. **Align** both sides straight. **Color** the top section so each card gets colored on one side.	
3. Hand out each card to a student. If a colored line doesn't show, make it clear individually.	
4. Put your name and "Right Angle Finder" on the same side. Put the right angle marks at the bottom corners.	
5. For an Obtuse Angle, put a Right Angle Finder's colored line on the bottom line.	
6. When a Right Angle Finder covers an obtuse angle, you can see another line outside of the finder. This is bigger than 90 degrees.	
7. For an Acute Angle, put a Right Angle Finder's colored line on the bottom line.	
8. When a Right Angle Finder covers an acute angle, you can see another line in the middle of the finder. This is smaller than 90 degrees.