

Grade 1	Lesson: 15-10 Problem Solving: Use Reasoning	Reference to English
Math Standard(s): 1.G.1	Domain: Geometry	
Content Objective(s):		Language Objective(s):
Students will solve addition problems by recognizing and recording its parts in small groups. <i>I can solve addition problems by recognizing and recording its parts with a small group.</i>		Students will speak the words inside, outside and in all while adding parts. <i>I can speak the words inside, outside and in all while adding parts.</i>
Essential Understanding: Some problems can be solved by reasoning about the conditions in the problem.		Academic Vocabulary: Listen: Read: Write: Speak: Sentence Frame:
Materials: • Building Materials (modeling clay or pipe cleaners)		Language and Word Wall:
Lesson:		Instructional Time: 20 minutes
<p>Opening: (3 minutes)</p> <p>T: “You have learned about the attributes of plane shapes and solid figures. Today, you will identify which attributes are always true about certain shapes and which are not always true.”</p> <p>T: “Let’s talk about the attributes of the plane shapes. – circle, square, trapezoid, triangle, rectangle. Tell your neighbor 2 things about the circle.”</p> <p><i>S: will turn to their neighbor and tell them 2 things about a circle, “circles are round” or “circle have no sides” or “circles have no corners”</i></p> <p>T: “Raise your hand and tell me one thing you neighbor told your about circles.”</p> <p><i>S: will raise their hands and tell the teacher one thing about circles, “circles are round” or “circle have no sides” or “circles have no corners”</i></p> <ul style="list-style-type: none"> Go through all the plane shapes. Make a list of the student responses. <p>Introduction to New Material (Direct Instruction): (10 minutes)</p> <ul style="list-style-type: none"> Use the document cam to show the paper or draw it on the board. <p>T: “Look at the pictures. As I point at the picture show me thumbs up if it is a circle and thumbs down if it is not a circle.”</p> <p>T: “1st one, is it a circle? Thumbs up or down?”</p> <p><i>S: will show thumbs up.”</i></p> <p>T: “Correct, it is a circle, I will put a circle around it.”</p> <ul style="list-style-type: none"> Teacher will go through all the pictures on the page and circle the circles. <p>T: “Now I need you to tell me if the statements I say are true or false.</p> <p style="padding-left: 40px;">All circles are white?</p> <p style="padding-left: 40px;">All circles have 0 vertices?</p> <p style="padding-left: 40px;">All circles have 0 straight sides?</p> <p style="padding-left: 40px;">All circles are small?”</p> <p><i>S: will answer true or false depending on the question.</i></p> <ul style="list-style-type: none"> Do the same thing with cylinder and the pictures above. <p>T: “I am going to make some statements about cylinders. You need to say if the statement is true or false.</p> <p style="padding-left: 40px;">All cylinders have 2 flat surfaces?</p> <p style="padding-left: 40px;">All cylinders are small?</p> <p style="padding-left: 40px;">All cylinders have 1 flat surface at the top?</p> <p style="padding-left: 40px;">All cylinders have 0 vertices?”</p> <p><i>S: will answer true or false depending on the question.</i></p> <p>T: “Good job, we are going to look at 4 more pictures and you are going to tell me if the statements I say are true or false.”</p> <ul style="list-style-type: none"> Go through the guided practice and Independent practice questions the same way as above. <p>Closing: (3 minutes)</p> <p>T: “Now we are going to cross out the statement that is not true. I will read them to you, you say if they are true or false.</p> <p style="padding-left: 40px;">All cubes have more than 5 flat surfaces?</p> <p style="padding-left: 40px;">All cubes are blue?</p>		

All of a cube's flat surfaces are the same size and same shape?

S: will answer true or false depending on the question.

- Continue with questions 6-7 as a whole class.

T: "Good job today!"

Assessment:

Guided Practice