Odd and Even Numbers

Use with: Math by Myself or Math with Someone

Concept	To determine whether a group of objects has an odd or even number of members.
Materials Needed	 Each student will need: at least 20 cubes a white board dry erase marker a basket of numbers to choose from (will differ depending on the ability of the student)
Directions	 Each student will practice determining whether a number is odd or even. 1. The student will draw a number. (Ex. '12') 2. The student will count out the number of cubes. (Ex.12 cubes) 3. The student will match each cube with a 'partner cube' to determine whether all cubes can be split up equally. (Ex. The student would end up with 6 cubes on one side, each one having a partner cube to equal 12.) 4. Students would be able to determine if the number is even or odd, based on whether the cubes each had a 'partner' and could be divided equally. 5. Students would draw the cubes on their white board, showing how each group is equally matched or not, thus being even or odd. 6. Students will continue this same process with the other numbers drawn from the pile.
Differentiate	To differentiate instruction for students struggling with odd and even numbers, the teacher could partner students up and make this a "Math With Someone" activity. Therefore, students would have a peer to 'check' their answers. Teachers could also limit the numbers that are in the pile. For example, the highest number to work with could be '10'. Struggling students could also use a blank connecting cube workmat to help them line up cubes. http://www.teacherspayteachers.com/Product/Patterning-Work-Mat-Freebie-853967 *To differentiate instruction for advanced students, the teacher can give students a greater number of cubes and higher numbers to work with.



By Jessica Hellberg