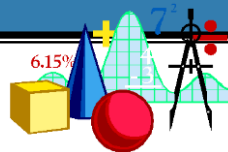


Mathematics, Geometry  
Unit VI: Lesson 1

Game: **Polygons**



The regular polygons have characteristics that identify them individually as well as those that they share with each other. Use at least the six regular polygons and organize their 5 or 6 characteristics in a chart.

Develop a card game to teach characteristics of polygons. Make sets of cards titled equilateral "triangle", "square", etc. and individual cards labeled with characteristics e.g. "diagonals", "medians", "interior angles", etc. Write questions to be on each card that fall into the characteristic category e.g. "How many diagonals does a pentagon have?" and "How large is each interior angle of a triangle?" Put in a few wild cards (perhaps circle category) without questions that can be used to complete sets. Or maybe you have a different idea for your own card game that will teach these principles.

Title or name your game and type an instruction sheet. Teach the class how to play and take notes on how the game should be improved or changed.