

Engaging Activities and Games for TEKS/TAKS Review



University of Houston Central Campus

EatMath Workshop #5

March 28, 2009

Opening Activity

1. What has been a highlight of your week at school? Why is this a highlight?
2. What is something you're really looking forward to doing soon (outside of school)? How do you plan to do it?
3. If you won two free tickets, what would you like them to be for?

Objective 10

Performance Assessment

An architectural firm has been hired by the City Council to design a rock garden for a new park in the business district. The rock garden is a pentagon whose sides are defined by the following five equations:

1. $x = -3$
2. $y = -3$
3. $y = 2x - 5$
4. $x - 3y = -12$
5. $x + y = 4$

One bag of rocks for the garden costs \$17.95 and will cover 2 ft^2 . On the coordinate plane, each unit represents one foot. The city has allocated \$350 for materials for this project. Will the architect's design fit into the materials budget for the rock garden? Justify your answer.

BINGO

Object of Game: To get 5 in a row horizontally, vertically, or diagonally. In addition to the 5 spaces in a row, participants must be able to give the definition of each term that is in a row in order to win the game.

Guess That Term

Object of Game: Correctly solve the word puzzle and give an appropriate definition for the term revealed. One point will be given for the correct term and one point will be given for an appropriate definition.

Rules:

1. Team will give a letter that may be in the puzzle.
2. Each team will receive 1 point for each letter revealed in the word; if a letter appears more than once, the team will receive a point for each time that letter is revealed.
3. A team will continue to give letters until they give a letter that is not in the puzzle or if it solves the puzzle incorrectly.
4. If this is the case, play will go to the next team and steps 1 - 4 will be repeated.
5. Winner is the team with the most points at the end of the game.

Jeopardy

Object of Game: A team game designed to help students achieve their educational goals.

1. Divide into teams
2. Give your team a name
3. Order of play will be determined by teacher
4. Team will select a category and point value. **All teams must solve all problems selected.**
5. The first team will give a response within the time allotted by teacher.
6. If team gives a correct response, team will receive point value for selected choice and play will proceed to next team. **Remember all responses must be in question format.**
7. If team gives an incorrect response, team will lose point value assigned to selected choice and play will proceed to next team. Team must answer the selection chosen by the previous team. If answered correctly, repeat step 6. If answered incorrectly, repeat step 7.
8. Winner is the team with the most points at the end of the game.

Variations: you may add Double Jeopardy or Final Jeopardy if you choose to play Jeopardy with your students.

Slope Mini-Project

Object of Project: Create any picture you want using a minimum of 10 points and a coordinate plane. You may use only **straight** lines! Find the **slope** of each line and **label** each one as positive, negative, zero, or undefined slope. Be creative!

Multiple Representations

Object of Activity: Sort the cards into groups of 4. There should be four different representations (equation, verbal description, table and graph) in each group and all representations in the group should focus on the same scenario.

Resources Used



“TAKS Mathematics Preparation”. Region IV Education Service Center (2004).

http://teachforever.googlepages.com/bingo_master.xls

www.tea.state.tx.us