

## User Instructions for Students

### Story of the Activity

There are many secrets hidden in the dusty pages of history. In this game we look at a map of ancient times on papyrus paper. Oh, what is it? Maybe there is a forgotten hidden treasure. How would you like to find it? Let's start!

### Recalling Previous Knowledge

If you have some missing information about solving linear equations and recognizing coordinate system you should recall your previous knowledge before starting the "Find the treasure" game. To do so, you can spend time with other activities in the book which are "Solving Linear Equations practice", "A3. The Cartesian Coordinate Plane", and "1.6 Graphing Points in the Coordinate Plane" in Chapter 1.

### How to Start the Activity

1. **Start the Game:** Click the "Start New Game" button and carefully examine the displayed linear equation.
2. **Move the Pointer:** Use pointer X to navigate and select a point on the line.

### Expectations and Goals

- **Your Goal:** Find correct point on the line defined by the given equation among the other points.
- **Scoring System:**
  - You lose 5 points for each incorrect attempt.
  - Correct answers do not earn extra points but help maintain your score.

### Strategy and Tips

- Carefully analyze the equation before selecting a point.
- Avoid random guessing, as incorrect attempts lead to point reductions.
- Examine the slope and y-intercept of the line when you determine the right point.

## **Step-by-Step Instructions**

### **1. Starting Screen**

There is a linear equation and random points.

**Instruction:** Analyze the equation and focus on identifying a point on the line.

### **2. Using the Pointer X**

**Instruction:** Move the cursor X to select a point on the line by using that cursor.

### **3. Check Button**

**Instruction:** Once confident about your selection, click the "Check" button to verify your choice.

### **4. Treasure or Error Screen**

**Instruction:** If you see a treasure, congratulations! If incorrect, analyze the equation again.

### **5. Hit the button to find the new treasure**

**Instruction:** If you see the treasure, you can move with new points to find another treasure by clicking on the "hit the button to find the treasure again" button.

### **6. Time is up**

**Instruction:** When you see the "Time is up!" warning on the screen, your round is over. The score shown on the screen at that moment is your score. If you are playing with friends, it is the turn of your other friend. You can start the game again by clicking the "Start new game" button. If you are playing individually, you can start the game again by clicking the same button.