

A BIG DAY FOR BASEBALL

A Magic Tree House Adventure

Angles, area and perimeter

Grade Level(s): Grade 4

Subject: Math

Florida BEST Standards: MA.4.GR.1 MA.4.GR.2

Duration: 40-50 minute class period

Activity: Students will learn about angle measurement. Students will learn about area and perimeter.

Description: Angle measurement is used in baseball. Although the fields range in sizes, the dimensions of the diamond and play area follow certain standards. In this lesson, students will learn about the field standards and use knowledge to solve real world problems.

Objectives:

- Understand area and perimeter
- Understand angle measurement

Materials:

- Whiteboard or paper
- Dry Erase Marker or pencil
- A Big Day for Baseball worksheet

Procedures:

1. Pass out the student worksheet
2. Introduce students to the standard baseball diamond dimensions, paying attention to the dimensions.
3. Have students complete math problems.

Assessment:

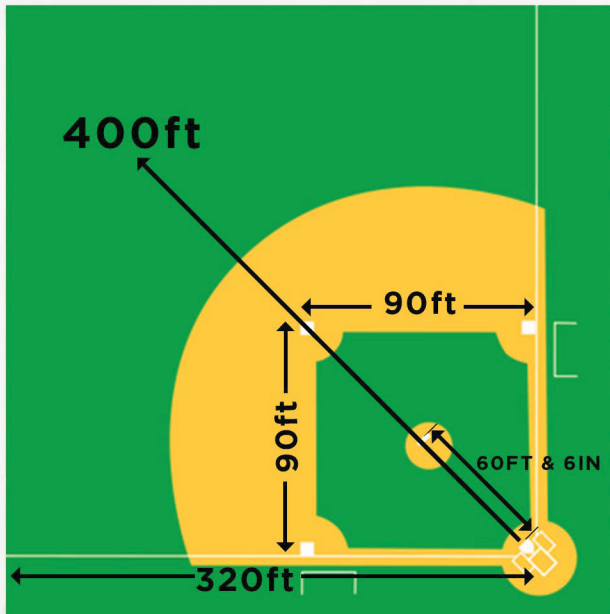
1. Assess students on the completion of the worksheet

Angles, area and perimeter

NAME: _____ DATE: _____

Directions:

Look at the MLB Dimensions and answer the following questions.



MLB Dimensions

Formula

Area

Length x Width

$$(A = L \times W)$$

Perimeter

Length + Length + Width + Width

$$(P = 2L + 2W)$$

- On April 18, 1947, Jackie Robinson hit his first major league home run off Dave Koslo of the New York Giants at the Polo Grounds. What was the area that Robinson ran from Homeplate?

- If Jackie Robinson hit a ground ball to third base, and the third baseman threw the ball to first base, what is angle degree of the route the ball took?

- What is the perimeter of the baseball diamond?

- What type of angle does the baseball diamond have?
