

**educational curriculum materials:
bringing baseball to the classroom**



**grand slam school day 2008
elementary school version**

**This curriculum adheres to the Grade Level Content
Expectations (GLCE) and is supported by the State of
Michigan Board of Education.**

2008 Grand Slam School Day

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* These tasks must be completed at the ballpark.

Lugnuts Math

Please answer the following questions. You may use a calculator if you brought one with you. Some of the answers will need to be gathered from around the ballpark.

1. Using the Kids Value Priced Menu, how much money would you need to purchase a hot dog, soda pop and peanuts?

2. Go to the concession stand at the top of section E or L for this question:

Your parents have given you \$25.00 to spend on food for the game. Hungry and thirsty, you head to the concession stands. You select a hot dog, cheese pizza and a souvenir soda. How much money would you have left over?

3. A player's batting average is the number of hits divided by the number of at-bats. Last season, Eugenio Velez hit .285 for the Lugnuts, collecting 68 hits in 239 at-bats. In his last five games, Velez collected 5 hits in 20 at-bats. What is his batting average for those last five games?

4. A pitcher's earned run average (ERA) is calculated by multiplying the total number of earned runs by nine and dividing that total by the total number of innings pitched. Runs that score without an error taking place are considered to be earned runs.

Example: In 2005, Erik Rico allowed 15 earned runs and he pitched 14.2 innings: $15 \times 9 / 14.67 = 9.20$ ERA

In 2005, Casey Janssen worked 46.0 innings and gave up 7 earned runs. What was Casey's earned run average that year?