



PHYSICS & AVERAGES

FORCE, GRAVITY, ACCELERATION

- 1 Nick Senzel _____ into 2nd base.
- 2 The ability to do work is called _____.
- 3 A base hit _____ in the outfield grass.
- 4 The push/pull on an object is _____.
- 5 A baseball flying through the air after being hit has _____ energy.
- 6 Applying force to an object can cause an object to _____, but not always.
- 7 Force = mass times _____
- 8 _____ is responsible for a pitcher being able to throw different kinds of pitches.
- 9 _____ and _____ are two factors that determine speed.
- 10 The pitcher throws a fastball to the batter. Name two forces that are acting on the ball while the pitcher is throwing? _____, _____
- 11 What is the force of gravity on an object? _____

ANSWER BANK

Resistance
Rolling
Sliding
Force
Acceleration
Move
Gravity
Kinetic
Weight
Distance
Time

NOTE: some words are used more than once

BATTING AVERAGE

Jesse Winker is batting .297 after 32 games and 136 at-bats.
In the next week, Jesse will get 24 at-bats.

- 1 How many hits does Jesse have? _____
- 2 How many at-bats does Jesse end the next week with? _____
- 3 If Jesse gets 8 hits in his final 24 at-bats, what is his batting average? _____
- 4 How many hits in the next week will he need to finish the week over .300? _____

THE FORMULA

$$\text{Batting Average} = \frac{\text{Total Hits}}{\text{Total At Bats}}$$

Example
If you had 10 at-bats, and you get 3 hits, then your batting average is:

$$\text{AVG} = \frac{H}{AB} = \frac{3}{10} = .300$$

