



Fielding Percentage Student Instructions

Materials

Baseball cards (playing cards)

Worksheet

Pencil

Key Concept

$$\text{Fielding \%} = \left(\frac{\text{\# of cards caught}}{\text{\# of total cards}} \right) \times 100$$

Vocabulary

Fielding Percentage: The average (as of a baseball fielder) determined by dividing the number of putouts and assists by the number of chances.

Reaction Time: The time elapsing between the beginning of the application of a stimulus and the beginning of an organism's reaction to it.

Gravitational force: The gravitational attraction of the mass of the earth, the moon, or a planet for bodies at or near its surface.

Stimulus: Something that rouses or incites one to activity.

Worksheet 8 Instructions:

1. Get in groups of 2 and each group will have 10 baseball cards (playing cards). One of the partners will be the "pitcher" and the other partner will be "catcher."
 - a. The pitcher should stand at a higher level than the catcher, either on a chair, platform, stage, etc. (Caution: make sure both students have a safe footing when releasing or catching the cards.)
2. The Pitcher will stand at a higher level and release (not throw) a single baseball card (playing card) and the catcher will stand in the ready position facing them trying to catch the falling cards.
3. Continue to have the pitcher release a card (i.e., drop a card versus throw a card) every five seconds for a total of 10 cards.
4. Count how many successful catches are made and record them in Worksheet 8.



TECHNOLOGY

- a. Calculate the fielding percentage for each catcher. Example: 5 out of 10 cards caught = 50%
5. Switch pitcher and catcher and try activity again.