

# Measuring Throw-Ins

## Concept

Math: Measurement and Conversions

## Objective

Students will collect data in centimeters and convert their data to meters dividing by 100. Students will evaluate measurement systems to decide the best measurement size.

## Time

(1) 75-minute session

## Standards

### Common Core State Standards Connections

**CCSS.MATH.CONTENT.5.MD.A.1:** Convert among different-sized standard measurement units within a given measurement system (e.g., convert 5 cm to 0.05 m), and use these conversions in solving multi-step, real world problems.

**CSS.MATH.CONTENT.4.MD.A.1:** Know relative sizes of measurement units within one system of units including km, m, cm; kg, g; lb, oz.; l, ml; hr, min, sec. Within a single system of measurement, express measurements in a larger unit in terms of a smaller unit. Record measurement equivalents in a two-column table. *For example, know that 1 ft is 12 times as long as 1 in. Express the length of a 4 ft snake as 48 in. Generate a conversion table for feet and inches listing the number pairs (1, 12), (2, 24), (3, 36), ...*

## National Standards for K-12 Physical Education Connections

**Standard 1:** The physically literate individual demonstrates competency in a variety of motor skills and movement patterns.

**Standard 2:** The physically literate individual applies knowledge of concepts, principles, strategies and tactics related to movement and performance.

**Standard 4:** The physically literate individual exhibits responsible personal and social behavior that respects self and others.

## Background:

Over the course of any soccer game, there are a handful of different ways that players will throw a dead ball back into play. They can throw a ball from a stand-still position or step into the throw.



Name: \_\_\_\_\_

# Measuring Throw-Ins

GRADES 3-5

Explore

Measure in Meters

Measurements	Throw 1	Throw 2	Throw 3	Throw 4	Throw 5
Standing					
Kneeling					
Step Into					

Elaborate

Convert your Measurements to Centimeters

Measurements	Throw 1	Throw 2	Throw 3	Throw 4	Throw 5
Standing					
Kneeling					
Step Into					