

Square Root Relay P.E./Math (Gr.4 & 5)



Materials: Triplicate copies of the following numbers on index cards
(4, 8, 25, 36, 49, 64, 81, 100, 121, 144)
2 small yarn balls (placed in the center of the circle)

Procedure: Divide the class into 3 groups, 10 students per team.
"Stand together as a team." "Make a big circle facing inward."
Give each team a set of the 10 numbers. Hand out in order from the lowest to highest number.

Objective: To get one of the two yarn balls before your opponent does.

Rules: The teacher calls out one root number at a time. When the students hear the square root of their number they run counter clockwise around the outside of the circle back to your starting point, then carefully toward the yarn balls inside of the circle.

Example: If the number (6) is called, all three students with number (36) run counterclockwise outside the circle. Once they reach your starting point, they run towards the center to get one of the yarn balls.

*One point for the team that gets the ball first and says correctly:
"6 is the square root of 36."
Or "The square root of 36 is 6."

If two students say it correctly at the same time, a point is given to each team.

** SAFETY- Stress the importance of running ONLY counterclockwise. Show students the counterclockwise direction. If anyone runs clockwise, blow the whistle to stop the students. A point will be lost for running the wrong direction.