Mathematics & Science

Sports Measuring Tape

Objectives

- To estimate size and distance
- To use ruler, yardstick and tape measure
- To compare and contrast sports

- Display the Sports Measuring Tape (Download, print and assemble)

- List the various sports equipment shown on the tape . Discuss with the students the various sports represented.

- After discussion, put the equipment in order from largest to smallest. Have students remeasure the equipment with ruler, yardstick or tape measure and observe if accurate.
  a) What is the difference between the smallest ball and the largest ball? (Golf 1.62" and basketball, 30 3/4")
  b) Name the shortest and tallest athletes on the tape. What is the difference in their sizes? (Shannon Miller, gymnastics 4'6" and Shaquille O'Neal, basketball 7'1") Is there a size requirement in their sports?
  c) Finish calculating the different sport sizes on the tape. Example: Volleyball net height for women -7'4 1/8"/men -7'11 5/8". Basketball's basket heights, diving board height, etc.

- Cheryl Miller and Shaquille O'Neal are both famous basketball players. Discuss whether men and women of the same size will both play the game differently or the same.

- Calculate the difference between Shaquille O'Neal at 7'1" and Anthony "Spud" Webb at 5'7". How much shorter is Spud than Shaq; than Cheryl; than the basketball net?

Optional

- Have class create a game that favors taller players and create a game that favors shorter players.
- Display the real sports equipment next to the Sports Measuring Tape
- Select a team or sport and create a graph or chart comparing sizes

Materials

Sports Measuring Tape (Download, print and assemble)

Pencils and paper

Classroom rulers, yardsticks or measuring tapes

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