

# TOSS, COUNT, GRAPH

**Purpose:** Students will demonstrate counting and graphing associated with an activity. They will also interpret and identify information on a graph.

**Suggested Grade Level:** K-1

**Math SOL:** Probability and Statistics: K.13, K.14, 1.14, 1.15

## **Equipment/Materials Needed:**

1. Fleece ball (1 per pair), or other soft ball or bean bag
2. Attached graph or create own
3. Crayons
4. Stopwatch

## **Advance Preparation:**

1. Give each student or pairs of students a graph.
2. Review graphing techniques.
3. Demonstrate proper tossing vs. throwing.

## **Directions:**

1. Divide students into pairs and give each pair a ball.
2. Tell students they have 10 seconds to toss and catch with a partner. They are to count how many catches they make in the 10 seconds.
3. Have students graph their results.
4. Continue until they have done four rounds.
5. Discuss and have students interpret their graphs.

## **Teaching Suggestions:**

1. Demonstrate tossing and catching and proper distance.
2. Have Kindergarten students work in pairs for graphing. Four rounds gives each child 2 bars to graph.
3. Make sure your graph paper has enough bars.

## **Modifications/Variations:**

1. Have students draw a line under each trial and record their total after each trial and graph totals at the end.
2. For older students you may use different types of balls to see if there is a difference in the number they can achieve.
3. Adjust the time.

*This lesson was developed by the School Health Initiative Program (SHIP) for the Williamsburg James City County Public Schools (WJCCPS), Williamsburg, VA. SHIP is funded by the Williamsburg Community Health Foundation (WCHF). Parts or all of this lesson can be used and reproduced without permission provided that SHIP, WJCCPS and WCHF are credited.*



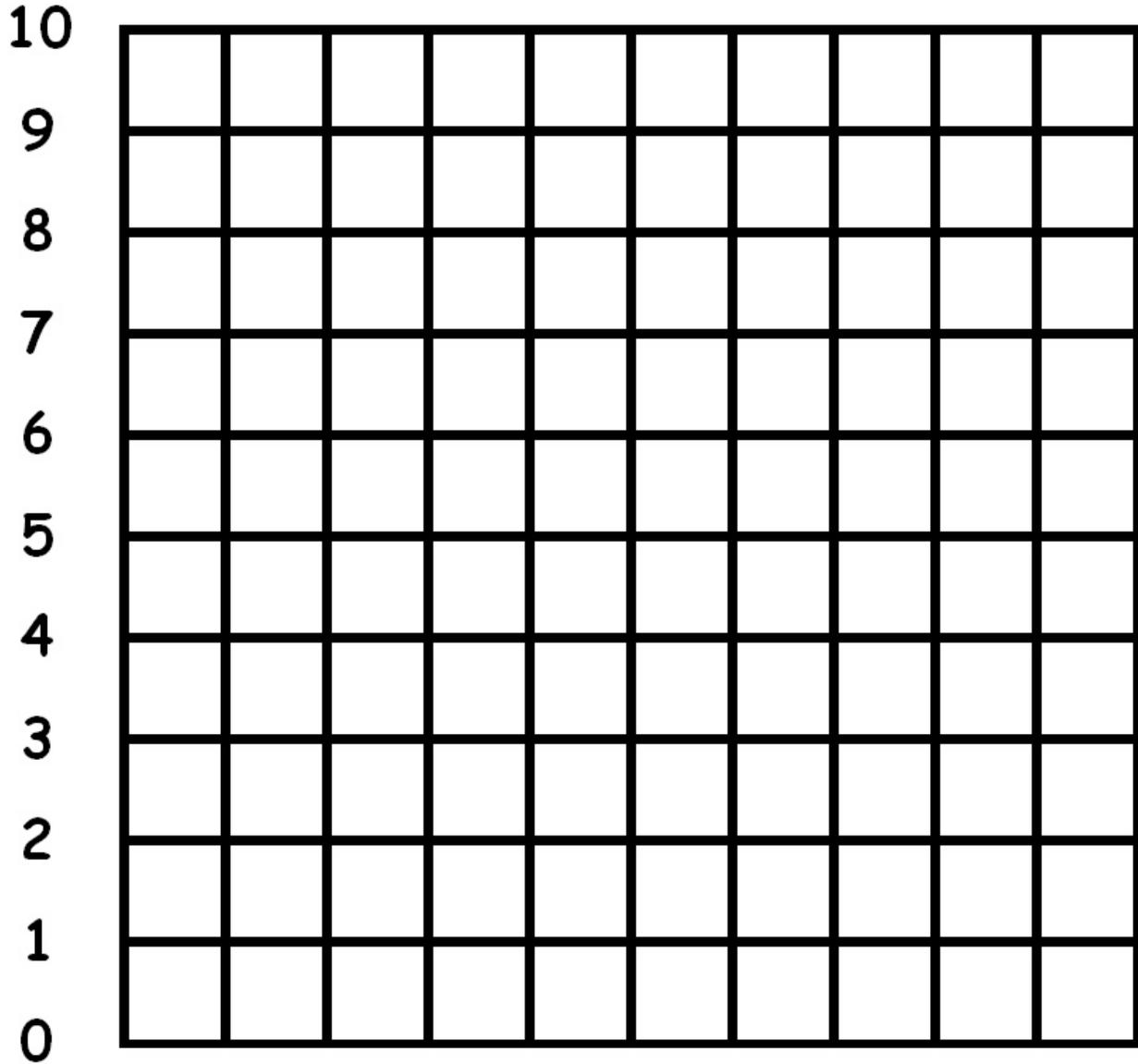
*Williamsburg Community  
Health Foundation*

# TOSS, TALLY, GRAPH WORKSHEET

Name \_\_\_\_\_

Date \_\_\_\_\_

You will have 10 seconds to complete as many tosses as you can with a partner. When the 10 seconds is over, graph your results.



cross  
crawl

mountain  
climbers

jumping  
jacks

push  
ups

scissor  
kicks