

Process Standards Rubric



Data Analysis and Probability

Exercise					
1	✓	✓	✓	✓	✓
2	✓	✓	✓	✓	✓
3	✓	✓	✓	✓	✓
4	✓	✓	✓	✓	✓
5	✓	✓	✓	✓	✓
6	✓	✓	✓	✓	✓
7	✓	✓	✓	✓	✓
8	✓	✓	✓	✓	✓
9	✓	✓	✓	✓	✓
10	✓	✓	✓	✓	✓
11	✓	✓	✓	✓	✓
12	✓	✓	✓	✓	✓
13	✓	✓	✓	✓	✓
14	✓	✓	✓	✓	✓
15	✓	✓	✓	✓	✓
Drill Sheet 1	✓	✓	✓	✓	✓
Drill Sheet 2	✓	✓	✓	✓	✓
Review A	✓	✓	✓	✓	✓
Review B	✓	✓	✓	✓	✓
Review C	✓	✓	✓	✓	✓

Expectations

Instructional programs from pre-kindergarten through grade 12 should enable all students to:

- GOAL 1: Problem Solving**
 - build new mathematical knowledge through problem solving;
 - solve problems that arise in mathematics and in other contexts;
 - apply and adapt a variety of appropriate strategies to solve problems;
 - monitor and reflect on the process of mathematical problem solving.
- GOAL 2: Reasoning & Proof**
 - recognize reasoning and proof as fundamental aspects of mathematics;
 - make and investigate mathematical conjectures;
 - develop and evaluate mathematical arguments and proofs;
 - select and use various types of reasoning and methods of proof.
- GOAL 3: Communication**
 - organize and consolidate their mathematical thinking through communication;
 - communicate their mathematical thinking coherently and clearly to peers, teachers, and others;
 - analyze and evaluate the mathematical thinking and strategies of others;
 - use the language of mathematics to express mathematical ideas precisely.
- GOAL 4: Connections**
 - recognize and use connections among mathematical ideas;
 - understand how mathematical ideas interconnect and build on one another to produce a coherent whole;
 - recognize and apply mathematics in contexts outside of mathematics.
- GOAL 5: Representation**
 - create and use representations to organize, record, and communicate mathematical ideas;
 - select, apply, and translate among mathematical representations to solve problems;
 - use representations to model and interpret physical, social, and mathematical phenomena.



Task Sheet 8

8a) Count all the tables in the classroom and record the number of tables with a I.

Example: One table = I,
 three tables = III



Tables:

My tally is _____ tables in the classroom.

b) Count all the shoes in the coat room and record the number of shoes with a I.

Shoes:

My tally is _____ shoes in the coat room.

c) How did tallying help you with your counting?

NAME: _____



Drill Sheet 2

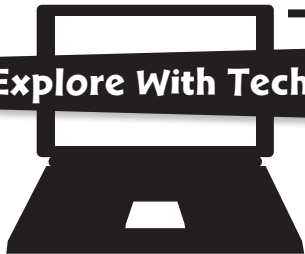
The chart below shows the number of snowy days in the month of December.

Month	Snowy Days Tally
December	

Using the information in the chart above, create a graph to show the number of snowy days in December.



Explore With Technology



Visit <http://www.theweathernetwork.com/> to find the weather in your area. Tally and graph the information.

Fruit Groups



Open a box of Fruit Loops in your group.

Separate the colors into groups.

Count how many Fruit Loops you have of each color.

Graph your results.



SAMPLE
