

NCTM Process Standards Rubric



Data Analysis & Probability – Drill Sheets

Expectations Instructional programs from pre-kindergarten through grade 12 should enable all students to:	Drills																				
	Warm-up 1	Timed Drill 1	Warm-up 2	Timed Drill 2	Timed Drill 3	Timed Drill 4	Warm-up 3	Timed Drill 5	Timed Drill 6	Warm-up 4	Timed Drill 7	Timed Drill 8	Warm-up 5	Timed Drill 9	Warm-up 6	Timed Drill 10	Timed Drill 11	Review A	Review B	Review C	
GOAL 1: Problem Solving	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
GOAL 2: Reasoning & Proof	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
GOAL 3: Communication	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
GOAL 4: Connections	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
GOAL 5: Representation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

SAMPLE

NAME: _____



13a) Different coins are shown below.



1. How many total coins are in the box? _____
2. How many pennies are in the box? _____
3. How many nickels are in the box? _____
4. How many more dimes are in the box than nickels? _____
5. What coin is there the least of in the box? _____
6. How many less nickels are there than pennies? _____
7. If you picked a coin without looking, which coin would you most likely pick? _____
8. If you picked a coin without looking, which coin would you least likely pick? _____
9. How many total dimes and quarters are there? _____
10. How many total pennies and nickels are there? _____

SAMPLE



Review A



a) The chart below shows the different cats found in a pet store.

Small Brown Cats	Large Brown Cats	Small Orange Cats	Large Orange Cats	Small Black Cats	Large Black Cats

SAMPLE

- How many cats are there in total?
- How many cats are orange?
- How many cats are black?
- How many cats are brown?
- How many cats are small?
- How many cats are large?
- How many cats are small and black?
- How many cats are large and orange?
- Which cat would most likely be chosen?
- Which cat is least likely to be chosen?

Class Survey



Survey the class and tally up how many people put each topping listed in the chart below on their hamburger. Color in the chart with how many people liked each topping.



1. How many people like vegetables on their hamburger? _____
2. How many people like cheese on their hamburger? _____
3. How many people like mustard and ketchup? _____

15							
14							
13							
12							
11							
10							
9							
8							
7							
6							
5							
4							
3							
2							
1							
	Pickle	Lettuce	Cheese	Tomato	Onion	Mustard	Ketchup

SAMPLE