

# Process Standards Rubric

## Five Strands of Math - Task & Drills Big Book

Number and Operations • Algebra • Geometry • Measurement • Data Analysis and Probability

All Five Strands of Math

### Drill Sheets

Expectations		Drills																			
<p>Instructional programs from pre-kindergarten through grade 12 should enable all students to:</p> <ul style="list-style-type: none"> <li>• build new mathematical knowledge through problem solving;</li> <li>• solve problems that arise in mathematics and in other contexts;</li> <li>• apply and adapt a variety of appropriate strategies to solve problems;</li> <li>• monitor and reflect on the process of mathematical problem solving.</li> </ul>	GOAL 1: Problem Solving	Warm-up 1	Timed Drill 1	Timed Drill 2	Warm-up 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 2: Reasoning & Proof	Warm-up 1	Timed Drill 1	Timed Drill 2	Warm-up 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 3: Communication	Warm-up 1	Timed Drill 1	Timed Drill 2	Warm-up 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 4: Connections	Warm-up 1	Timed Drill 1	Timed Drill 2	Warm-up 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 5: Representation	Warm-up 1	Timed Drill 1	Timed Drill 2	Warm-up 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



# Task Sheet 5

## That animal weighs a ton!

5) Tierza is volunteering at the Central City Zoo during the summer. She is helping to make charts that will be placed on animal exhibits. Her job is to list the weight of animals in terms of pounds, ounces and kilograms. She has recorded the following animal weights in pounds. Help her determine how many ounces and kilograms each animal weighs by converting pounds to ounces and kilograms.



Animal	Weight in pounds	Weight in ounces	Weight in Kilograms
a) Hairy Armadillo	1 pound		
b) Baboon	40 pounds		
c) Chinchilla	2 pounds		
d) Whistling Duck	3 pounds		
e) Bald Eagle	6 pounds		
f) Koala	26 pounds		
g) Otter	12 pound		
h) Trumpeter Swan	25 pounds		
i) Tiger	240 pounds		
j) Gray Wolf	70 pounds		

### Explore With Technology

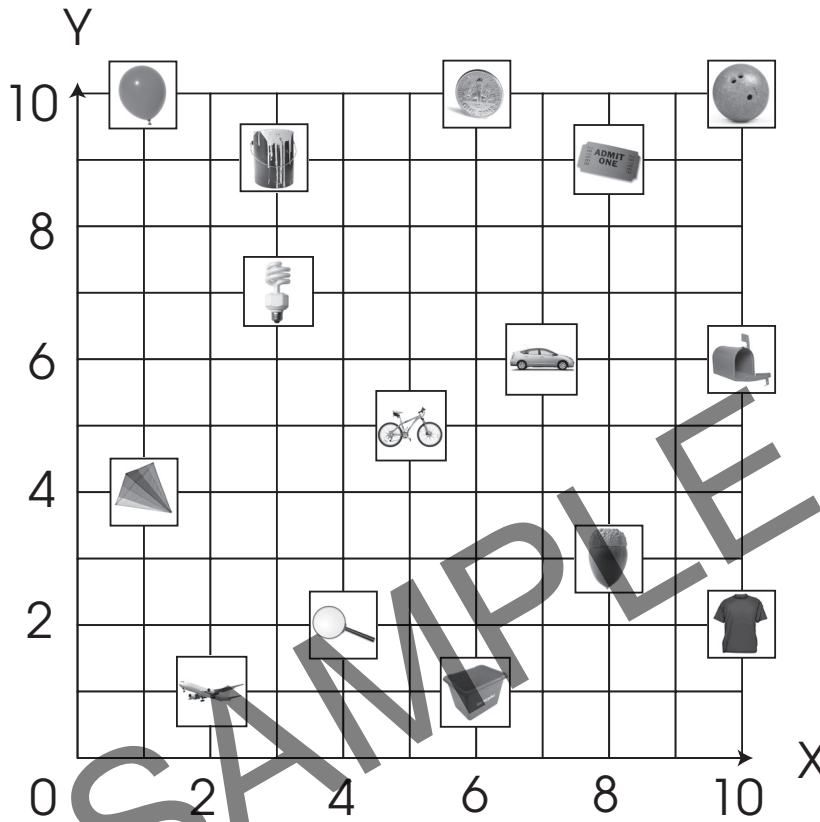
Using a zoo or animal website, find the weight of two other animals that might also be found at the Central City Zoo. Write their weight in pounds, ounces and kilograms below.

Animal	Weight in pounds	Weight in ounces	Weight in Kilograms






NAME: \_\_\_\_\_













12a) Identify the location of each item in the grid below.



Ex:

	X	Y
	5	5
i) 		
ii) 		
iii) 		
iv) 		

v) 		
vi) 		
vii) 		
viii) 		
ix) 		

	X	Y
x) 		
xi) 		
xii) 		
xiii) 		
xiv) 		

# The Probability of Change



The picture shows the change that Frieda has in her wallet.  
What is the probability that she will pick a penny out of her wallet?

- a) A penny       b) A nickel   
c) A quarter       d) A dime

e) Create a tally sheet to organize the money above.

f) Create a graph using the tally sheet above.