

Name: _____

Date: _____

Precision and Tolerance in measurements

1. Define precision when giving a measurement.
2. Define tolerance in measurement.
3. After using the directions to find your assigned object, how close did the written directions get you to the object? (describe the distance in units and describe the units if they are not standard)
4. Did the directions bring you within the stated tolerance of the object?
5. Rubric: Use the rubric to assess the directions your group followed to find the object.

Group name or number of the directions your group was following:		
Directions	Yes	No
Directions were clear using landmarks to guide the search		
Directions were clear using number of steps in a specified direction		
Directions used landmarks that were hard to find		
Directions were general and misleading		
Directions were hard to understand		
Locating the object		
Object was found by only using the directions		
Object was found by using parts of the directions		
Object was found but not where the directions lead		
Object was not found		
Precision		
Directions lead to the object using detailed measurements		
Directions lead to the object using general directions and locations		
Directions did not lead to the object		
Tolerance		
Directions stated the tolerance used and the object was within tolerance		
Directions stated the tolerance used but the object was not within tolerance		
Directions did not state the tolerance used		

Give reasons and examples for giving vague directions.

Give reasons and examples for giving precise directions.

When you are lost, what tools or resources do you have to find your way?