

Transect & Quadrat Surveys Worksheet

Name: _____

In this activity you will use the same research techniques that SFS students are using to study corals in South Caicos Island.

Part I - Transect Survey

Lay out your string in a straight line across the shapes in the center of your study area. Identify and count only those shapes that the string touches. Record your results in the chart below, as shown in the example:

	Type of shape	Number	Total
	Yellow Δ	##	7
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			

Part II - Quadrat Survey

Place your square in the center of your study area. Identify and count only those shapes inside the square. Record your results in the chart below:

	Type of shape	Number	Total
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			

Questions:

How many different types of shapes did you find with the transect survey?

How many with the quadrat survey?

If you wanted to find out how many different types of coral live on the reef, which method would you use?

Why?

Which method would be best for counting how many corals of each type live on the reef?

Why?