

## Explorer Education Programme



**Lesson Plan: Representing and Interpreting Data**

**Class: First Class / Second Class**

**Strand: Data**

**Strand Unit: Representing and interpreting data**

### **TITLE: SEA ANIMALS AND DATA**

#### **Aim / Description:**

The aim of this lesson plan is to allow students to develop their understanding of data by examining a number of questions and problems.

For more information on sea animals and their habitats see teaching materials found at [www.explorers.ie](http://www.explorers.ie)

#### **Materials**

- Worksheet (following the lesson plan)

#### **Activity:**

#### **REPRESENTING AND INTERPRETING**

- Step 1. Provide each student with a worksheet and ask them to answer questions 1- 4.

#### **Extension for Second Class:**

- Step 2. Ask the second class students to also answer questions 5 and 6.

#### **Outcome / Objective:**

The children in the class should have developed an understanding of early mathematical activities using data for:

- **Representing**
- **Interpreting**



The children in the class should have developed skills in the following:

- **Understanding and recalling**
- **Reasoning and implementing**
- **Applying and problem solving**
- **Introduction to graphs and some graph construction**

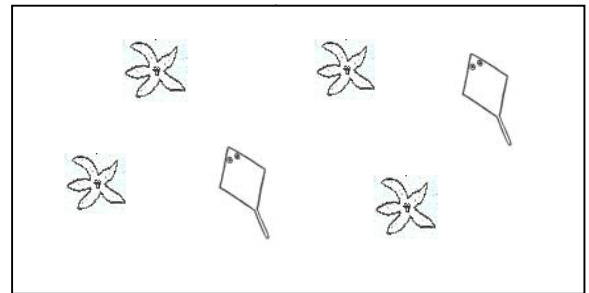


## Worksheet

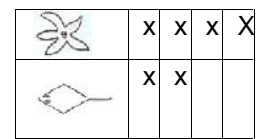
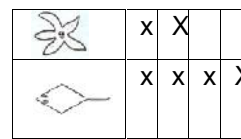
Question 1. Jane went to the aquarium and saw some sharks and some starfish. She made a tally count of the animals she saw.











Which animal did she see less of?




Question 2. Look at the Picture: Which graph shows the right number of starfish and rays?

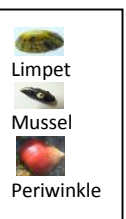
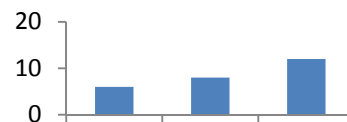
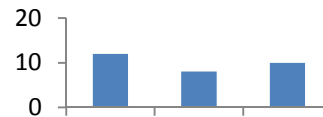


Question 6

Name	Fish Found			
Roisin				
James				
Alex				
Grace				

If the picture  = 2 x fish, how many more fish did Roisin find than Grace?

Question 3. Paul visited the seashore and found 12 Limpets, 8 mussels and 10 periwinkles. He made a bar graph of the seashells he found. Which is his bar chart?



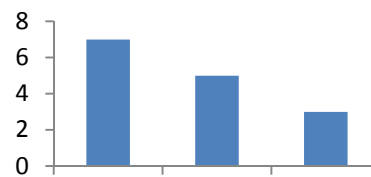
Question 5

Students were asked how many times they had been to the seashore during the month of July

X	X		
X	X	X	
X	X	X	X
X	X	X	X
0	1	2	3
Number of visits to the seashore			

How many students visited the seashore more than once?

Question 4. Clare went to the seashore and saw seabirds, crabs and fish. She made a bar chart of the animals she saw



How many crabs did she see?