

Number Cards



Objective

Students will group coral reef animals and compare results by creating a simple bar graph.

Materials

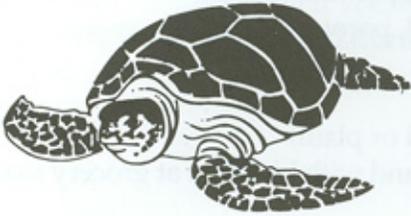
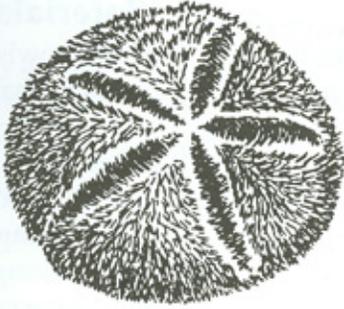
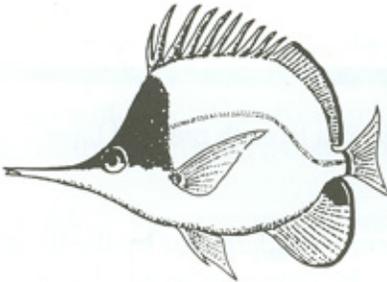
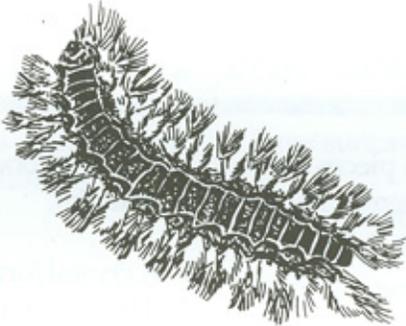
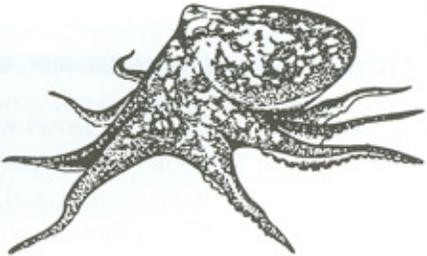
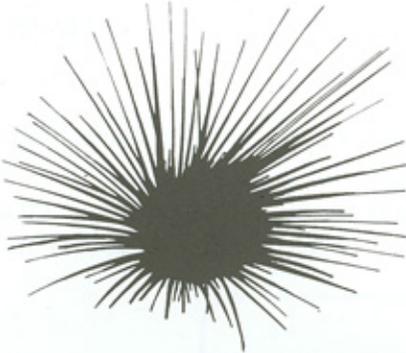
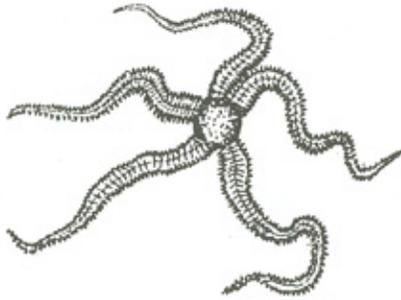
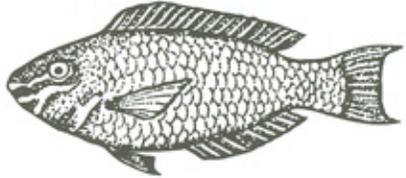
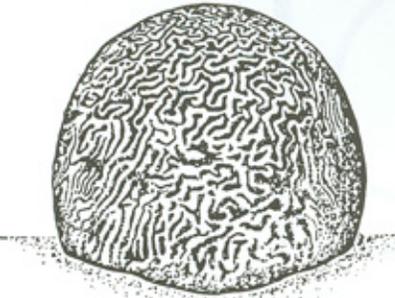
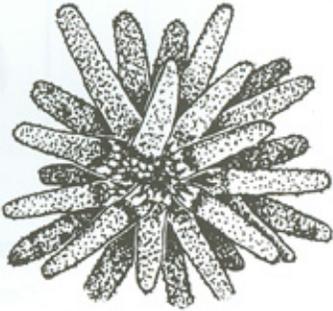
- 40 copies of page 2
- 5" x 8" index cards or construction paper cut into 5" x 8" rectangles (ten per student)
- crayons
- glue
- masking tape
- 10 containers (small boxes, bowls, or baskets)

Action

1. Cut pictures of animals from page 2 into individual pieces. Place each type of animal into a separate container. (Choose 10 animals from the choice of 12.)
2. Give each student ten 5" x 8" index cards. Have students number the cards from one to ten (you may want to do this yourself for younger students.)
3. Point out the baskets of pictures and identify the reef animals in each.
4. Tell students they'll be making number cards using the pictures of reef animals. They'll glue the correct number of animals on each card. For example on the number six card they can glue six crabs on their cards. Explain that they can use whichever animals they want, but that all the animals on one card should be the same and that each card should have a different type of animal. Show students sample cards you've made. When students are finished, have them put all their cards in number order.
5. Write the numbers one through ten on the board. Explain that the class will do a survey to see which animals were used for each number.
6. Ask a student to show the class which animal she/he used for her/his number one card. Give the student a piece of tape and ask her/him to post it on the board under the number one. Ask if there are any other students who used that animal for their number one card. Collect their number one cards and tape them on the board in a column with the first card. Ask another student to share what animal he/she used for his/her number one card. Have him/her post it on the board, then collect the cards of the other students who also used that animal and tape them up, too. Continue until all number one cards are represented and a vertical bar graph has been created with the cards.
7. Repeat step six for the rest of the number cards.
8. Review the results with students. Which animal was used most for the number one card? The number two card, etc.? Which animal was used the most in the whole activity?



Number Cards

 <p>sea turtle</p>	 <p>heart urchin</p>	 <p>lobster</p>
 <p>longnosed butterflyfish</p>	 <p>fireworm</p>	 <p>octopus</p>
 <p>long-spined urchin</p>	 <p>brittle star</p>	 <p>parrotfish</p>
 <p>brain coral</p>	 <p>crab</p>	 <p>club urchin</p>