

Planning a Zoo

Imagine that you have been hired to plan a new zoo. You must decide what animals will be in the zoo and how they will be organized.



? How will you plan the zoo?

- Determine various possible categories for the animals. Will any animals fit in more than one category? Is there more than one way to organize the animals?
- List the sets of animals for the zoo. Indicate any intersections of these sets.
- Can any sets be split into subsets? Can any sets be combined to become subsets of a larger set?
- Draw a plan for the zoo, indicating the sets that you have determined.
- If visitors find the zoo easy to navigate, then they are more likely to recommend it to their friends, and attendance will increase. Is this conditional statement true for the zoo you planned? Is the inverse true?

Task Checklist

- ✓ Is your explanation of your choices of sets and subsets for the animals clear?
- ✓ Is your layout of the zoo logical and pleasing for visitors?
- ✓ Did you use appropriate mathematical language?