

Which one is different?

Suggested grade level: K, 1 or 2

Corresponding software: *Mathville Kidway*, *Pick a Winner* activity

Curriculum expectations addressed:

Number sense:

- * Count and recognize “how many” in sets of objects

Patterning & Algebra:

- * Recognize similarities and differences in a variety of attributes
- * Identify attributes and rules in presorted sets
- * Recognize numeric and non-numeric patterns such as shapes

Geometry:

- * Compare, sort and classify 2 and 3-D shapes
- * Explore informally symmetry
- * Recognize slides, flips and turns

Communication:

- * Organize and consolidate mathematical thinking through communication
- * Communicate mathematical thinking coherently and clearly to peers and teachers

Prerequisites: Comparing, sorting and classifying activities with manipulatives and concrete objects

Materials required: Copies of the following worksheet (black and white copies are fine) and pencils

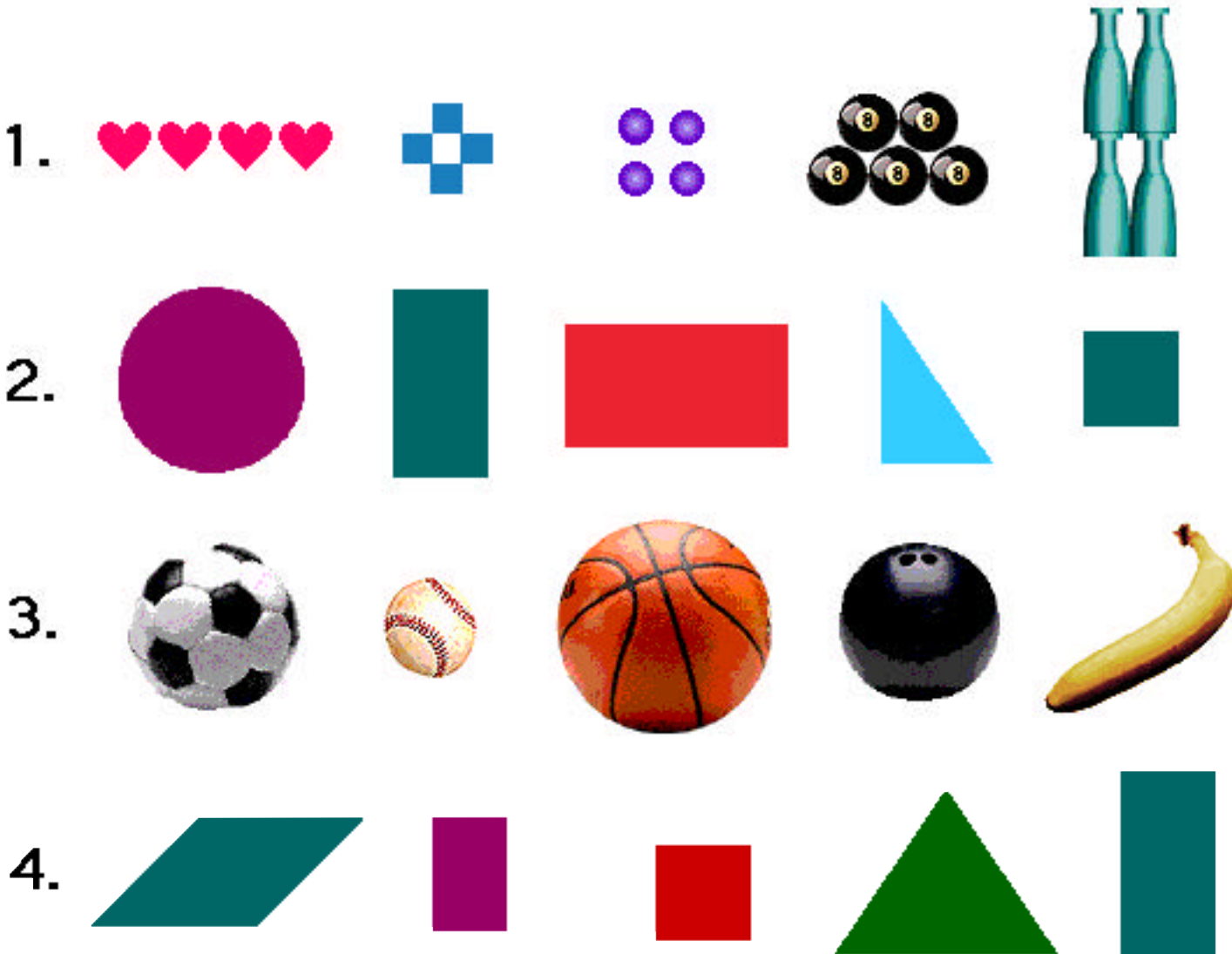
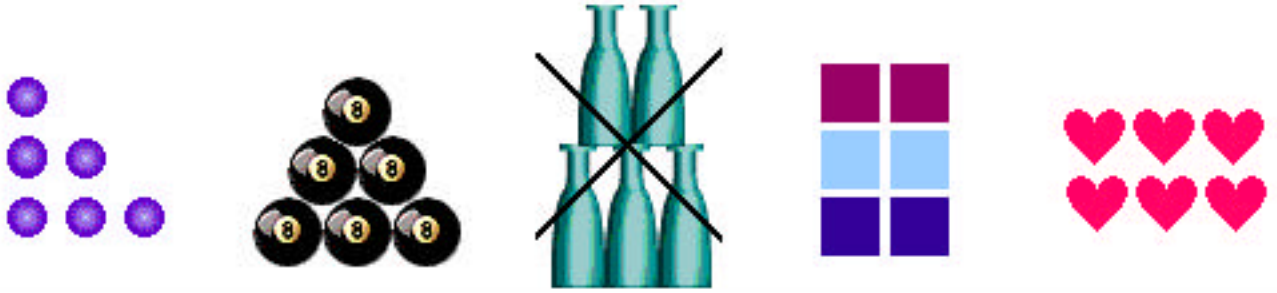
Suggestions for use: This is best done as a small group activity with groups of 2, 3 or 4. A key part of this activity is that students should discuss the reasoning behind their choices and come to an agreed upon group decision.

Encourage students to explain to you and to each other what is the **SAME** about the other four choices; pose the questions, “How are these alike?” and “What rule do they all follow?” Have them go through the choices one by one and point out what is alike about four of them and what is different (“How does it break the rule?”) about the one they have crossed out.

Variations and extensions: Ask students to make up a replacement for the different choice that’s the **same** as the four others. Challenge the students to create their own examples. Try different themes (food, animals, sports, letters, number groups, etc.).

Which one is different?

In each set of five, cross out the one that's different. Here is an example:



Student Worksheet 2 of 2

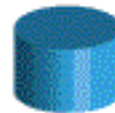
5.



6.



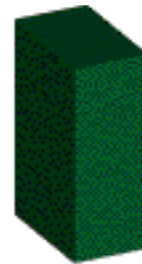
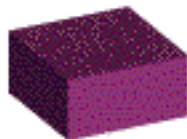
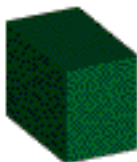
7.



8.



9.



10.



Which one is different?

There may be more than one correct answer. EXPLAIN your choice to your teacher and the other students.

