

Draw the missing picture.

Suggested grade level: K, 1 or 2

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

Curriculum expectations addressed:

Patterning & Algebra:

- * analyze how both repeating and growing patterns are generated
- * Recognize, describe & extend numeric and non-numeric patterns and translate from one representation to another

Geometry:

- * Compare, sort and classify 2 and 3-D shapes
- * Recognize and apply slides, flips and turns

Communication:

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

Prerequisites: Ordering and counting activities with manipulatives and concrete objects; physical experiences and experiments with slides, turns and flips

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

Suggestions for use: This may be done individually, in small groups or as a large group discussion. A key part of this activity is that students explain why they have drawn a particular picture. Ask “How do you know that this is the missing picture?”

If there is more than one candidate for the missing picture, encourage a group discussion, with students explaining why they agree with one choice or another.

If the student or group is “stumped”, present the answer with an explanation and then continue with the next term in the pattern or give another similar example, asking the students to draw the next missing picture.

Variations and extensions: Challenge the students to create their own examples. Try different themes (food, animals, sports, letters, number groups, etc.).

Save the worksheets and later have each student use little “post it” notes to cover one item in each sequence. They then exchange worksheets and do the activity again, drawing the missing pictures on the “post it” notes. Students can then check their work by looking under the notes.

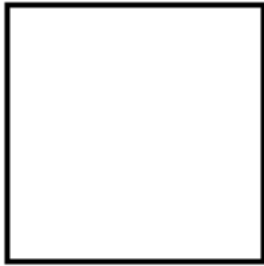
Draw the missing picture.

Example:



Student Worksheet 2 of 2

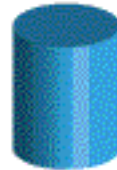
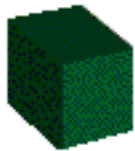
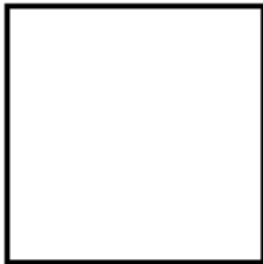
5.



6.



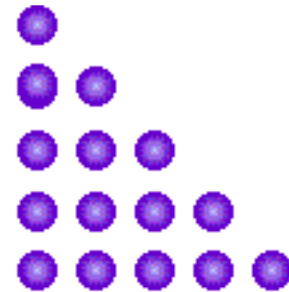
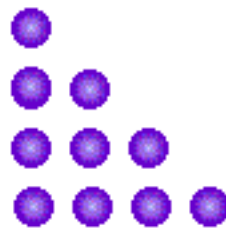
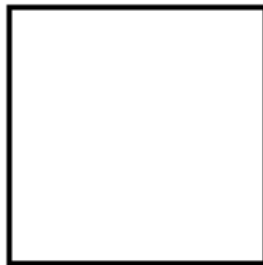
7.



8.



9.



10.



Draw the missing picture.

Explain WHY the picture you drew is the missing picture.

