

Math Activities

Grade 4, Week 11

Symmetry and Patterns

Day	Topic	Pages
Day 1	<u>Line Symmetry Part 1</u>	2–3
Day 2	<u>Line Symmetry Part 2</u>	4–5
Day 3	<u>Symmetrical Figures Part 1</u>	6–7
Day 4	<u>Symmetrical Figures Part 2</u>	8–9
Day 5	<u>Repeating Patterns</u>	10–11

The Answer Key for this week's lessons can be found at:

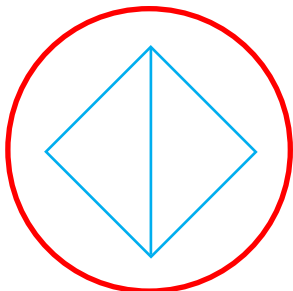
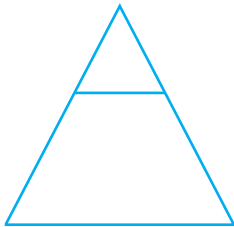
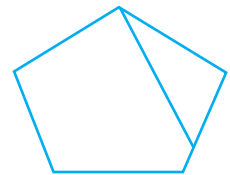
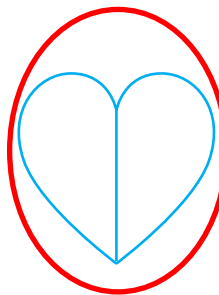
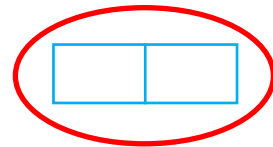
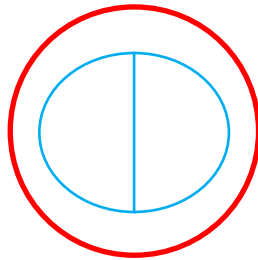
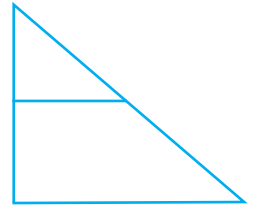
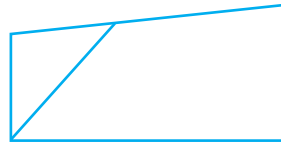
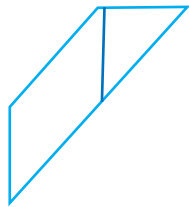
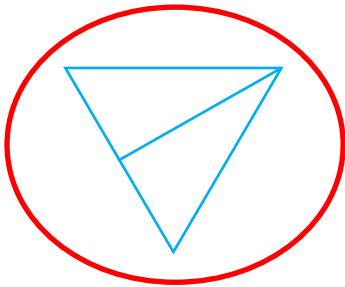
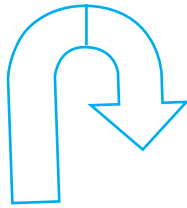
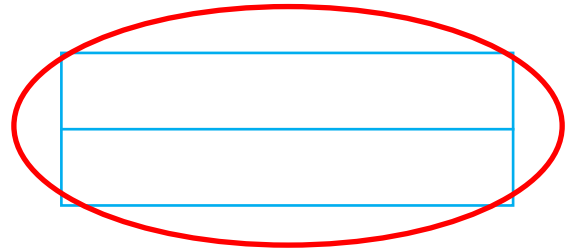
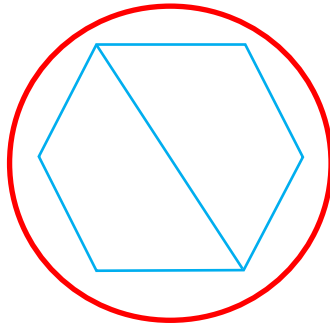
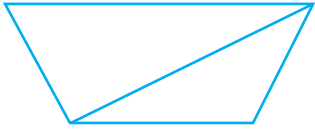


**Printable
Answer Key**

hand2mind-link.com/M4-AK-W11



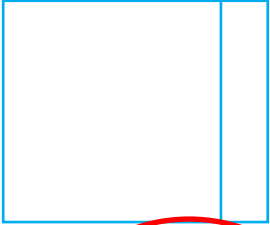
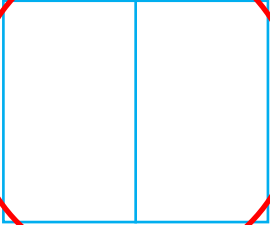
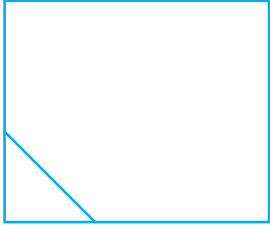
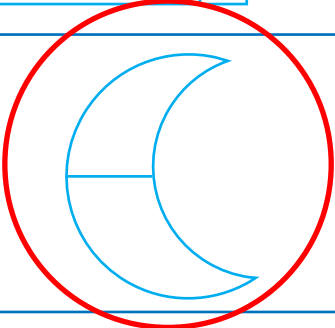

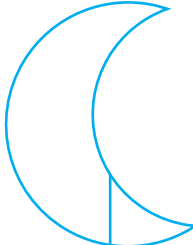



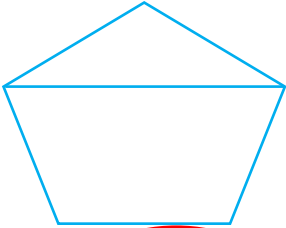
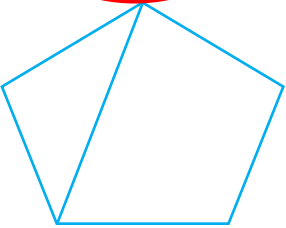
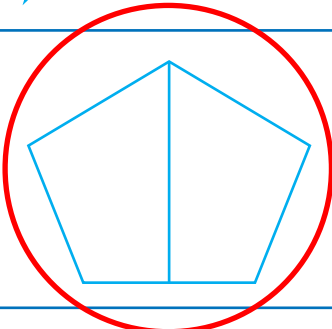
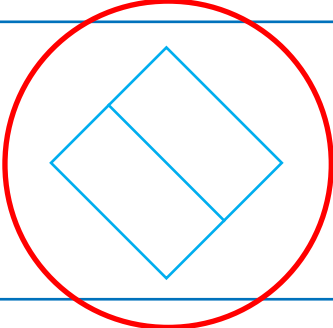
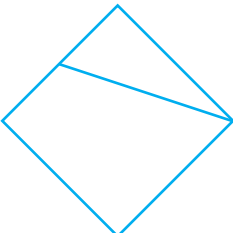
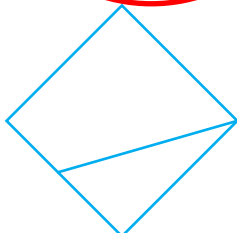
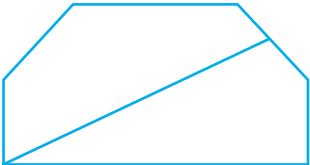
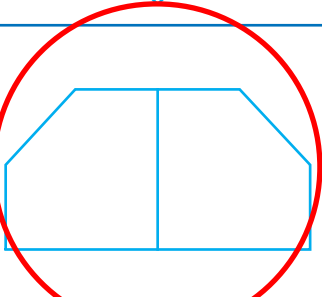
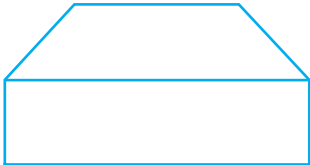
Circle each shape with a line of symmetry through it.





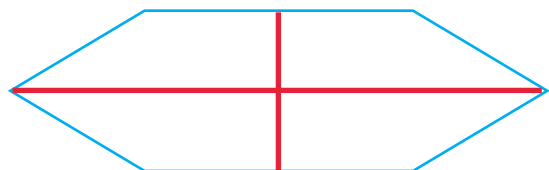
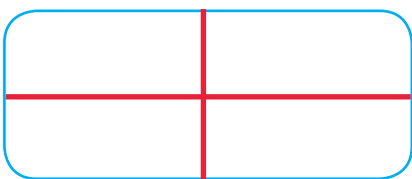
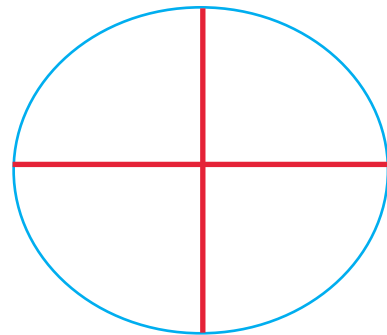
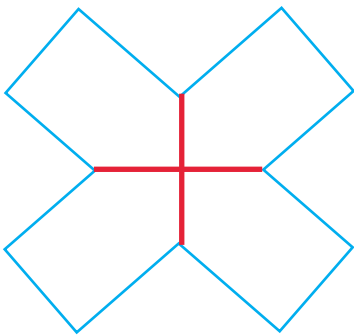
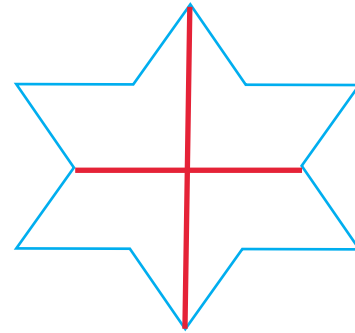
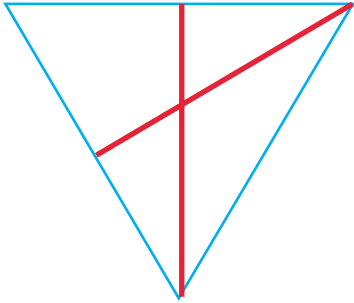
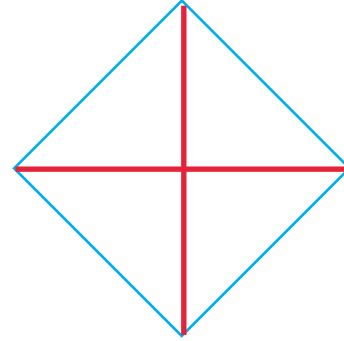
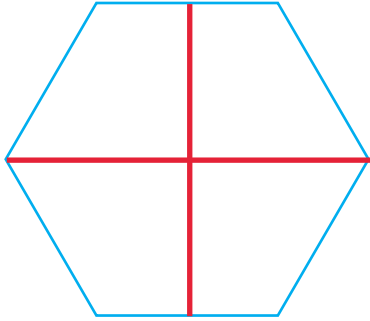
Day 1 (continued)

Circle the image in each row which shows a line of symmetry for the shape.



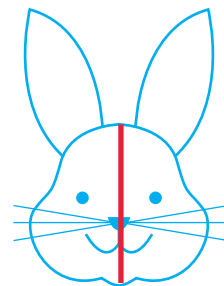
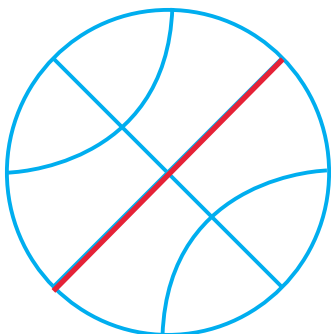
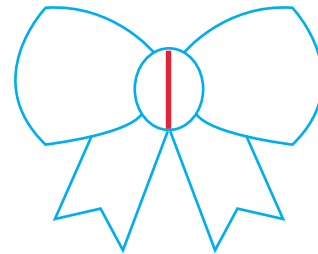
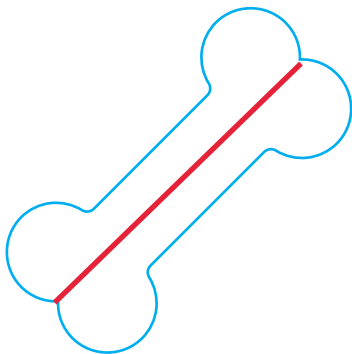
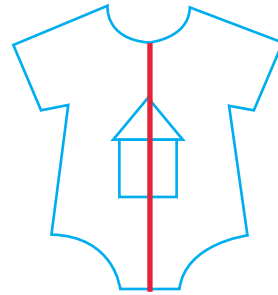
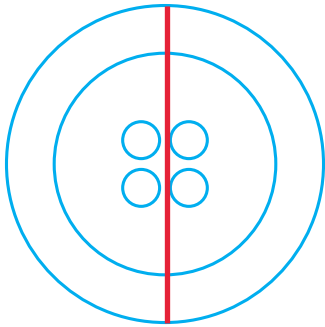
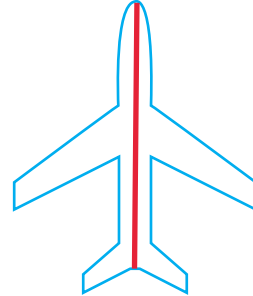
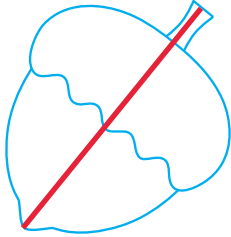
Draw 2 lines of symmetry in each shape below.





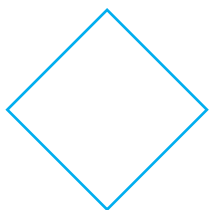
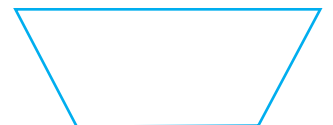
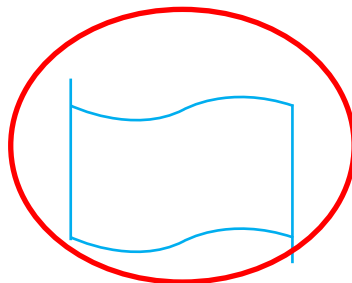
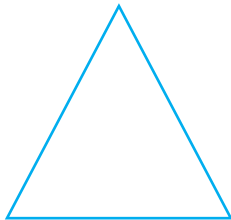
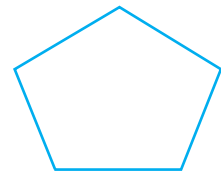
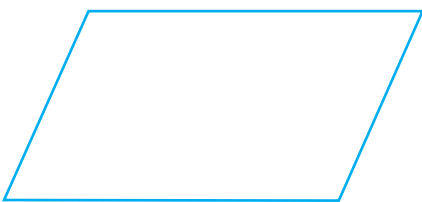
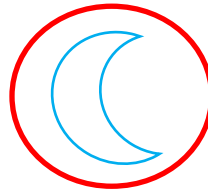
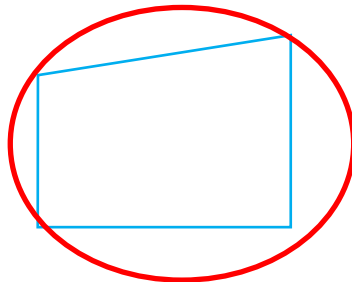
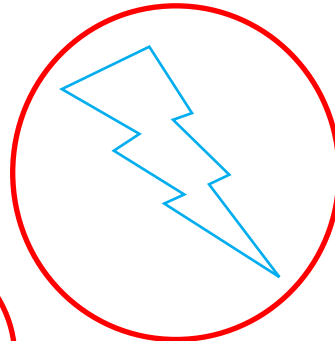
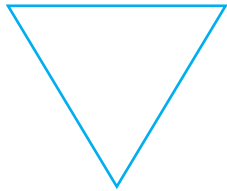
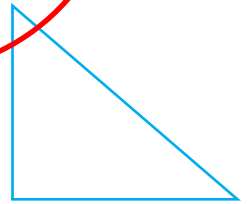
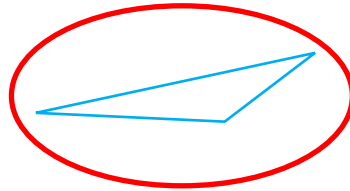
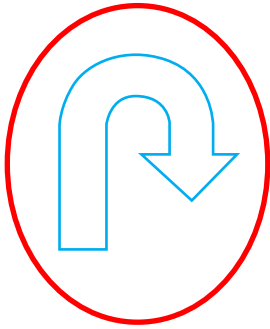
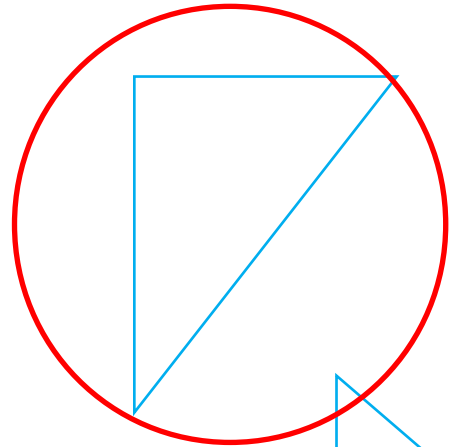
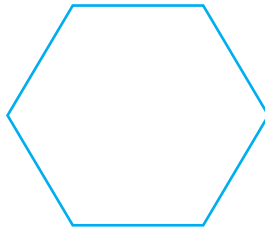
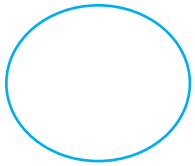
Day 2 (continued)

Draw a line of symmetry in each real-world item below.





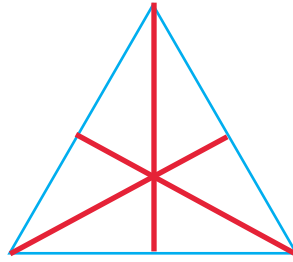
Circle the shapes below which do not have any lines of symmetry.





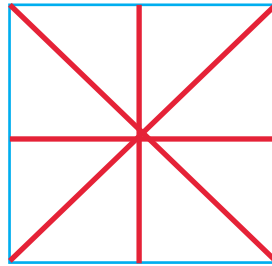
Day 3 (continued)

- How many lines of symmetry are there in an equilateral triangle? Draw the lines on the triangle below.



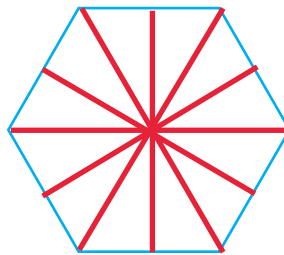
There are 3 lines of symmetry in an equilateral triangle.

- How many lines of symmetry are there in a square? Draw the lines on the square below.



There are 4 lines of symmetry in a square.

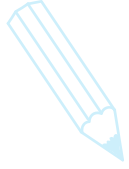
- How many lines of symmetry are there in a hexagon? Draw the lines on the hexagon below.



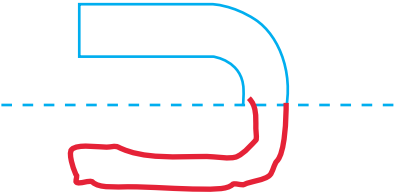
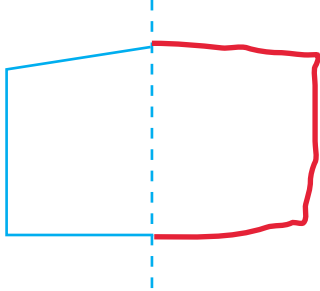
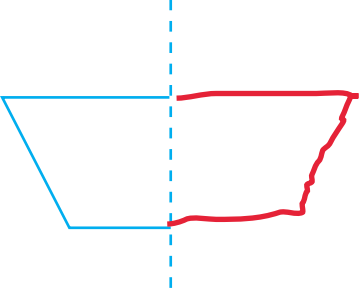
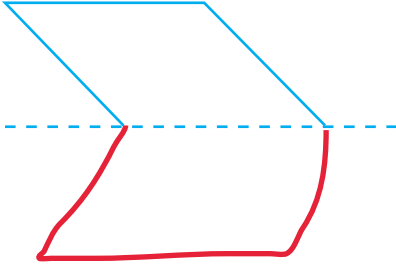
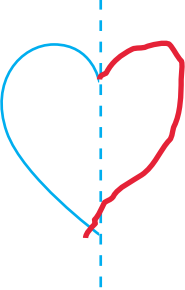
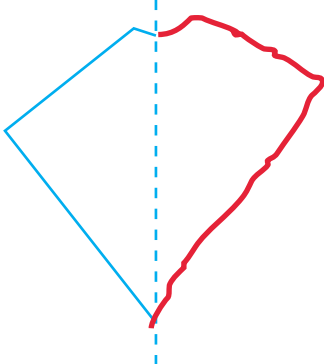
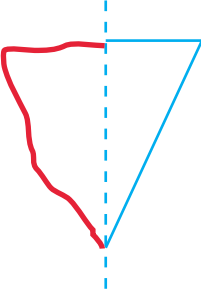
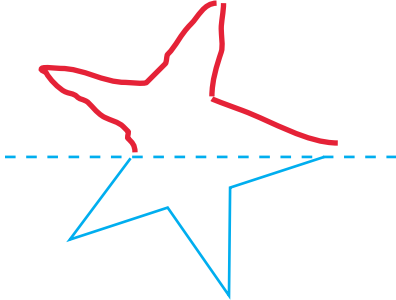
There are 6 lines of symmetry in a hexagon.

- What pattern do you notice? *Hint: compare the number of sides and the number of lines of symmetry.*

There is a line of symmetry for each side of the shape.



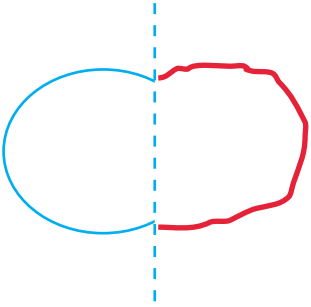
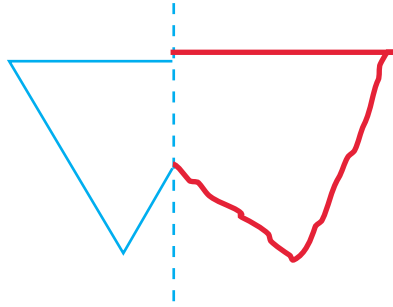
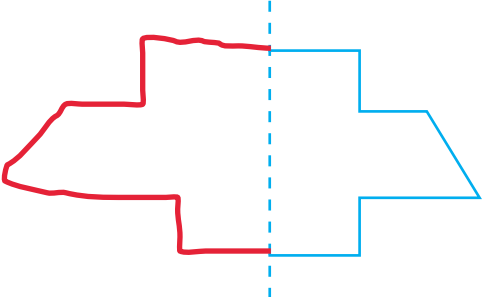
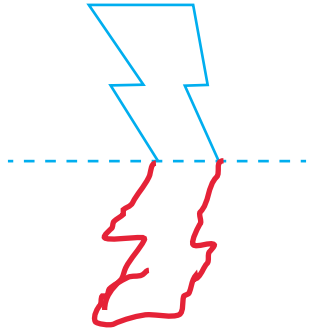
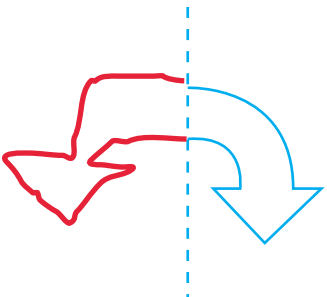
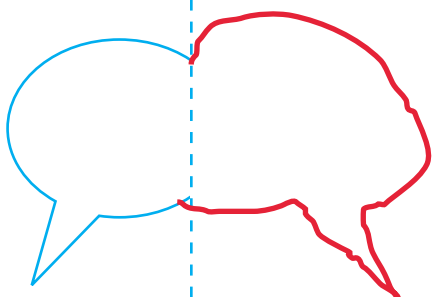
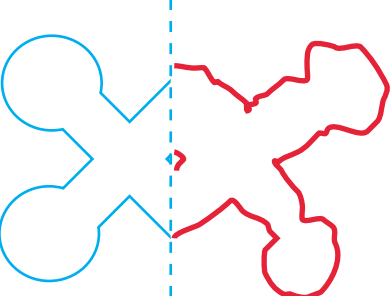
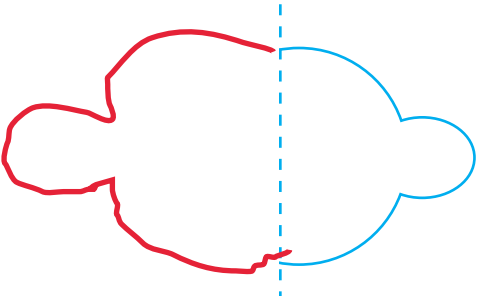
Draw the rest of the shape given the line of symmetry below.




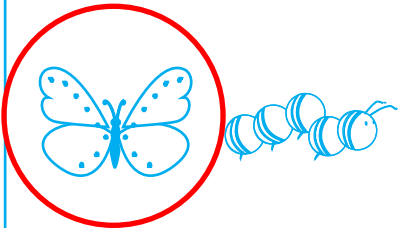
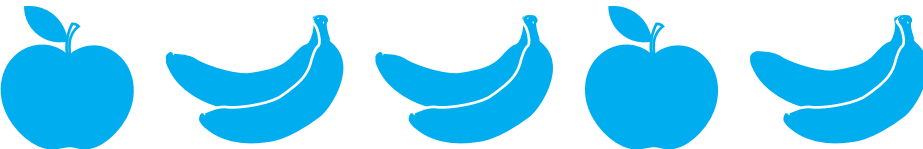
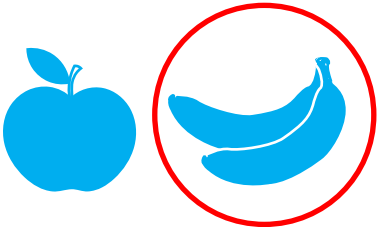
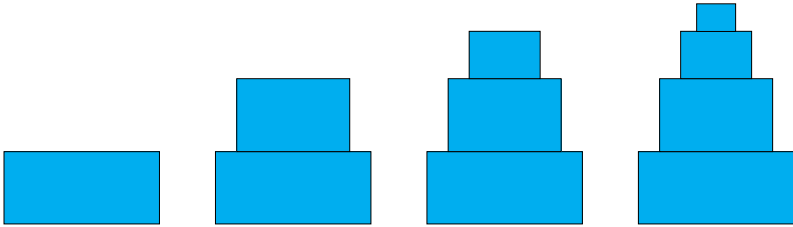
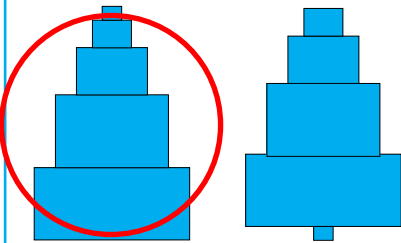

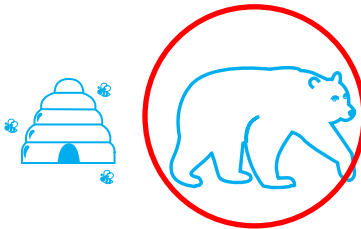

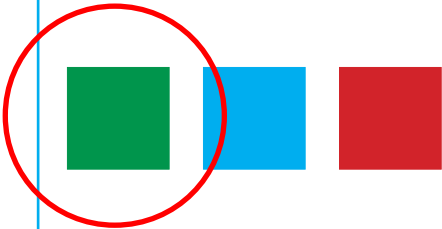

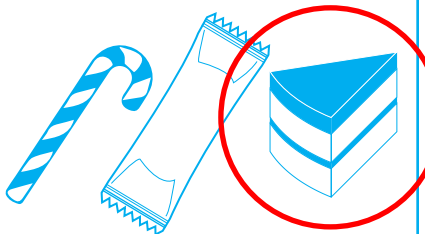
Day 4 (continued)

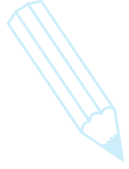
Draw the rest of the shape given the line of symmetry below.



Circle the image that comes next in each repeating pattern.



Day 5 (continued)

Draw the next 5 shapes in each pattern in the empty boxes.

