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4.G.A.3 Line of Symmetry and Rotational Symmetry – I

4.G.A.3: Recognize a line of symmetry for a two-dimensional figure as a line across the figure

1. Which of the figures shown below appear to have a line of symmetry?




2. Draw line(s) of symmetry in each of the following figures.



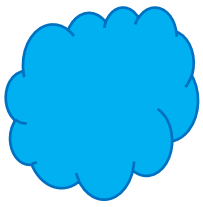
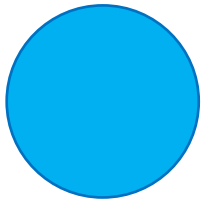




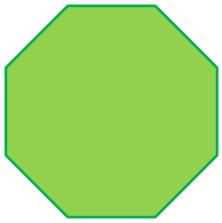

3. True or False?
   a. A circle has an infinite order of rotational symmetry. _____
   b. If a figure has a line of symmetry, then it has rotational symmetry. _____
   c. A rhombus has 2 lines of symmetry. _____
   d. The diagonal line of a rectangle is a line of symmetry. _____

4. From each of the following pairs, pick a figure which has a rotational symmetry.

   a.

   b.

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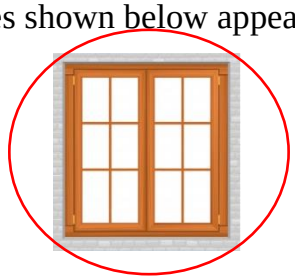
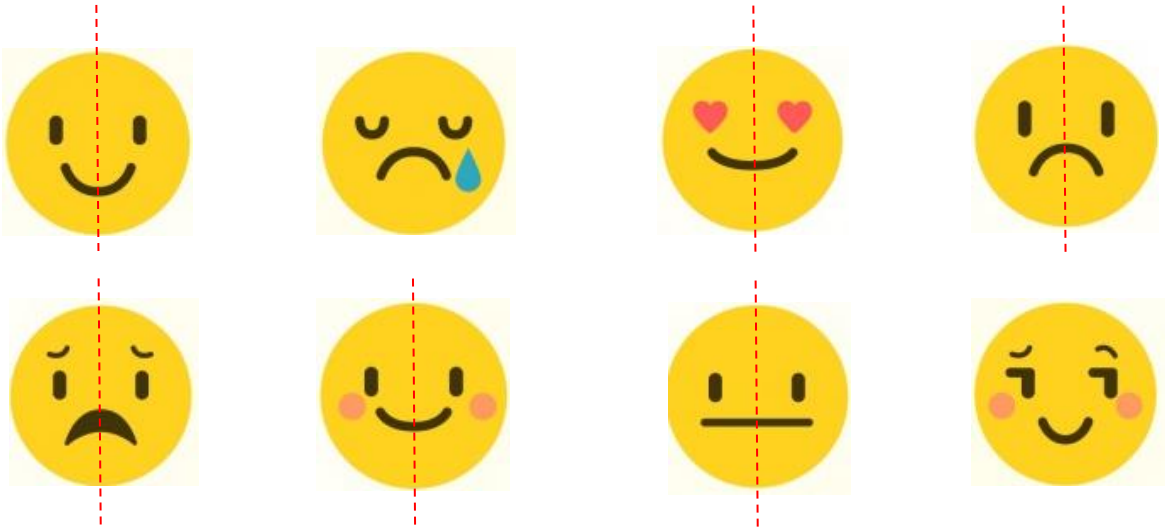
Answer Key

4.G.A.3: Recognize a line of symmetry for a two-dimensional figure as a line across the figure

1. Which of the figures shown below appear to have a line of symmetry?

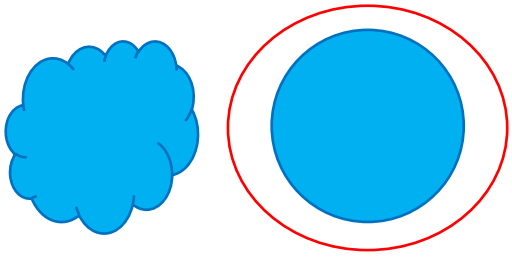
2. Draw line(s) of symmetry in each of the following figures.



3. True or False?
   a. A circle has an infinite order of rotational symmetry. True
   b. If a figure has a line of symmetry, then it has rotational symmetry. False
   c. A rhombus has 2 lines of symmetry. True
   d. The diagonal line of a rectangle is a line of symmetry. False

4. From each of the following pairs, pick a figure which has a rotational symmetry.

   a.



   b.