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Adaptive Platform | Interactive Visual Simulations | Personalized Attention

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1) How many lines of symmetry are there in the following figures?

![Heart and Rectangle](image)

2) If \(k\) is the line of reflection symmetry, complete the following figure.

![Completed Figure](image)

3) Is the dashed line in the following figure line of symmetry?

![Dashed Line](image)

4) Tick the correct option.
   A scalene triangle has:
   a) 1 line of symmetry
   b) No lines of symmetry
   c) 2 lines of symmetry
5) Write true/false.
   The axis of symmetry is a straight line that divides
   the object into two equal halves. ________________

6) Draw the second half of the given shape:
   \begin{center}
   \includegraphics[width=0.5\textwidth]{shape}
   \end{center}

7) Draw a line of symmetry.
   \begin{center}
   \includegraphics[width=0.5\textwidth]{monkey}
   \end{center}

8) Which of the following figures have line(s) of symmetry?
   \begin{center}
   a \hspace{1cm} b \hspace{1cm} c \hspace{1cm} d
   \end{center}

Answer Q.9 and Q.10 based on the given instructions.

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9) Draw a picture of an object that has at least one line of symmetry.

10) How many line(s) of symmetry are there on your picture?
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Why choose Cuemath?

"Cuemath is a valuable addition to our family. We love solving puzzle cards. My daughter is now visualizing maths and solving problems effectively!"
- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."
- Kirk Riley

“I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda.”
- Barbara Cabrera

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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>1)</td>
<td>a) 1 b) 2</td>
<td></td>
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<tr>
<td>2)</td>
<td>![Image of a plant symmetrical about line k]</td>
<td></td>
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<tr>
<td>3)</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>4)</td>
<td>b)</td>
<td></td>
</tr>
<tr>
<td>5)</td>
<td>True</td>
<td></td>
</tr>
<tr>
<td>6)</td>
<td>![Image of a heart symmetrical about a vertical line]</td>
<td></td>
</tr>
<tr>
<td>7)</td>
<td>![Image of a monkey symmetrical about a vertical line]</td>
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<tr>
<td>8)</td>
<td>a), c)</td>
<td></td>
</tr>
<tr>
<td>9)</td>
<td>![Image of a square symmetrical about four lines]</td>
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<tr>
<td>10)</td>
<td>4</td>
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1. **Symmetry** states that one shape is identical to the other shape when it is moved, rotated, or flipped.

2. The line of symmetry is a line that divides an object into two identical pieces.

3. An object and its image are symmetrical with reference to its mirror line.