




TBEAR—Vocabulary Development (from Definitional to Conceptual)

TBEAR LETTER AND WHAT IT REPRESENTS	HELPFUL WAYS TO BEGIN . . .	YOUR TOPIC OR TEXT AND NOTES (E.G., EVIDENCE FROM TEXT, FACTS, DETAILS, EXAMPLES, VISUALS, ETC.)
<p>T = Topic Sentence/Term/ Principle</p> <p>This establishes the focus and purpose of your paragraph, poster, or illustration.</p> <p>State the term, principle, or concept with a brief definition.</p>	<p>A line of symmetry is . . . [a line that divides a figure into two congruent parts, each of which is the mirror image of the other].</p>	
<p>B = Brief explanation or Bridge to evidence (context)</p> <p>Briefly explain or add context for those who do not know the term or concept. This should focus on aspects that further elaborate on the concept and bridge to some examples and nonexamples.</p>	<p>When a figure having a line of symmetry is folded along the line . . . [the two parts should coincide or match exactly. That means that two parts are the same size and same shape].</p>	
<p>E = Examples</p> <p>Provide <u>examples and nonexamples</u> and <i>illustrate them</i> visually or graphically.</p> <p>If referencing a source, include quotation marks for direct quotes and page numbers, section, chapter, or website, where located.</p>	<p>For example, www.amathsdictionaryforkids.com shows that a line of symmetry can be drawn down the middle of a capital letter A; but cannot be drawn down the middle of the letters P or F to divide the parts into mirror images. Some figures can even have more than one line of symmetry such as this one does:</p>	
<p>A = Analysis</p> <p>Analyze the examples or evidence and <i>tell why this concept is important or useful to math-science</i> or applied in the real world. Consider the meaning or implications of not having or using the concept = <i>so what?</i></p>	<p>The concept of symmetry is applied in geometry . . .</p> <p>It is also important to the design of . . .</p>	

(Continued)

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<p>R = Relate or Reflect</p> <p>Establish a connection to another term or concept (math/science/social studies/arts).</p> <p>OR</p> <p>Reflect on a key idea.</p> <p>OR</p> <p>State a conclusion related to your focus.</p>	<p>These examples show . . .</p> <p>The concept of symmetry is related to or important to an understanding of . . .</p> <p>Therefore, . . .</p> <p>Overall, . . .</p>	

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