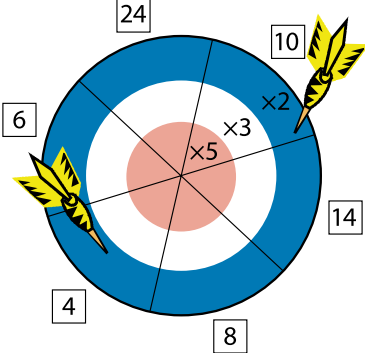
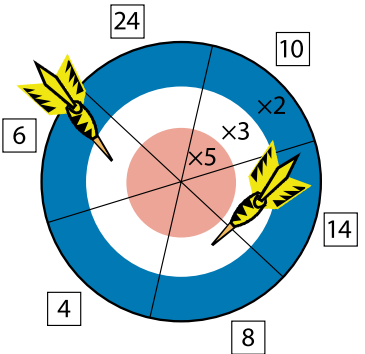


Appendix 6.3

Dart Game (Version 1)

A. For each of the following situations, indicate where a third dart must be placed on the dartboard so that the number of points generated by this dart is equal to the sum of the points obtained by the two darts illustrated.

Explain your choice and write the corresponding number sentence to this situation.

<p>Situation 1</p>  <p>A dartboard with a red bullseye and a white ring. The board is divided into six segments with numbers: 24 (top), 10 (top-right), 14 (right), 8 (bottom), 4 (bottom-left), and 6 (left). Multiplier rings are labeled: x2 (between 10 and 14), x3 (between 14 and 8), and x5 (between 8 and 4). Two darts are shown: one in the x2 ring (10) and one in the x5 ring (4).</p>	<p>Explanation:</p> <p>Number sentence:</p>
<p>Situation 2</p>  <p>A dartboard identical to Situation 1. Two darts are shown: one in the x5 ring (4) and one in the x2 ring (10).</p>	<p>Explanation:</p> <p>Number sentence:</p>

B. Write your answers to the following questions in the box below. In each of the two number sentences, what is similar and what is different on either side of the equal sign?

Why is the third dart located in the same area in both situations?