

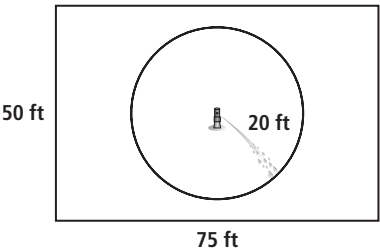
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5-8B Lesson Master

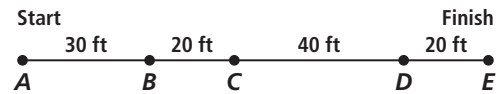
Questions on SPUR Objectives
See pages 320–323 for objectives.

USES Objective I

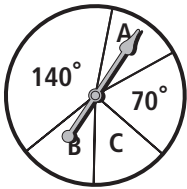
1. A lawn sprinkler with a radius of 20 feet rotates in a rectangular yard that is 75 feet long and 50 feet wide. A group of children playing badminton hit a birdie into the yard. What is the probability that the birdie will land in grass watered by the sprinkler?



2. Abigail and her mother shopped at four stores in an outdoor mall. During that time, her necklace broke and fell off. What is the probability that her necklace fell off between stores B and C?



3. If the spinner is spun, what is the probability that it will land in regions A, B, or C?

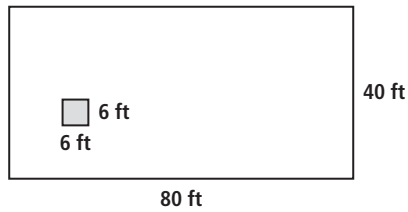


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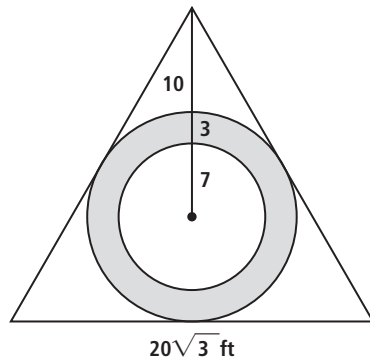
5-8B

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4. Your entire family attended the school's homecoming game and sat together in a small square section of the rectangular stands as shown in the diagram below. At half-time the cheerleaders randomly throw various candies into the stands. What is the probability that your family will catch some candy?



A garden in the shape of an equilateral triangle contains roses and other perennials. The shaded region represents the roses.



5. What is the probability that a butterfly that lands on the garden will randomly land on a rose bush?

6. If the inner circle is also filled with roses, what is the probability that the butterfly will *not* land on a rose bush?
