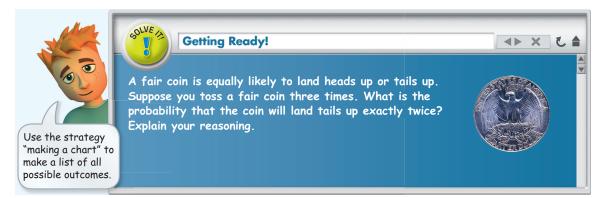
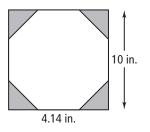
## 10-8 Solve It!



## 10-8 Lesson Quiz

**1.** Point *O* on  $\overline{AD}$  is chosen at random. What is the probability that *O* is on  $\overline{BC}$ ?

- **2.** A bus picks up passengers at a bus stop every 12 minutes in the morning. Suppose Adrian arrives at the bus stop at a random time. What is the probability that he will have to wait 5 minutes or less for the next bus?
- **3.** A regular octagon is inscribed in a square. A point *P* in the square is chosen at random. What is the probability that *P* lies in the shaded region?



## Answers

## Solve It!

 $\frac{3}{8}$ ; explanations may vary. Sample: The possible outcomes for tossing a coin three times are (H, H, H), (H, H, T), (H, T, H), (H, T, T), (T, H, H), (T, H, T), (T, T, H), and (T, T, T). Three out of the eight possible outcomes have two tails. Lesson Quiz

**1.** 0.4 or 40% **2.**  $\frac{5}{12}$ **3.** 17.2%

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