## 10-8 Solve It!



Use the strategy "making a chart" to make a list of all possible outcomes.


## 10-8 Lesson Quiz

1. Point $O$ on $\overline{A D}$ is chosen at random. What is the probability that $O$ is on $\overline{B C}$ ?

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. $17.2 \%$
