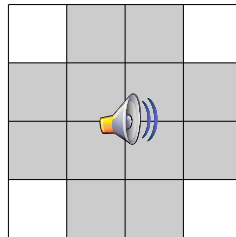




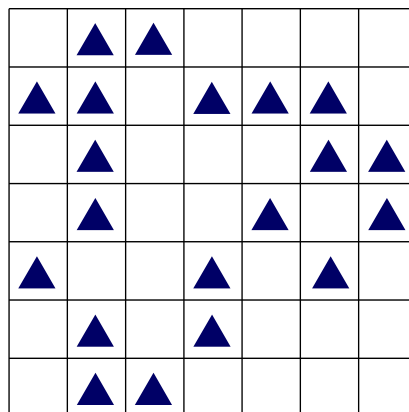
Loudspeakers at a festival



Loudspeakers are set up at a summer festival to play music. Each loudspeaker must be located where two lines cross. As illustrated below, each loudspeaker reaches twelve grey squares.



Below is a map where each ▲ represents the location of a picnic table at the festival. Loudspeakers must be placed around the festival so that each picnic table is within range of at least one loudspeaker.



QUESTION

What is the fewest number of loudspeakers needed?

- A. 2
- B. 3
- C. 4
- D. 5

