



4. You are designing a poster to contain 100 square inches of text with a margin of 5 inches for each side. What overall dimensions will minimize the amount of paper used?

5. Two sidewalks intersect at a right angle. Starting from the intersection, one person jogs along one sidewalk at 12ft/sec. A second person starting from 150 ft away from the intersection jogs towards the intersection at 18 ft/sec. At what time is the distance between the two joggers minimized?