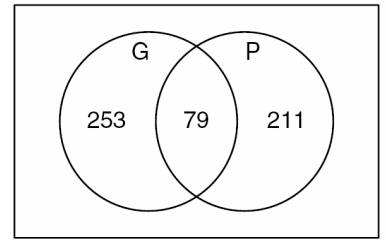


If this pattern continues, what will be the difference between the first square's shaded area and the fifth square's shaded area?

- A 4 square units
- B 24 square units
- C 49 square units
- D 96 square units

Apr '06 Obj 10 - # 47 (cont)

A sports-drink company surveyed 600 athletes to find out if they liked Sports Drink G or Sports Drink P. The diagram shows the results of the survey.



Which expression can be used to determine the number of athletes surveyed who did not like either Sports Drink G or Sports Drink P?

- A $(253 + 211)$
- B $(253 + 79 + 211)$
- C $600 - (253 + 211)$
- D $600 - (253 + 79 + 211)$

Feb '06 Obj 10 - # 11

Four friends took turns using the stationary bike at a health club. Huan used it three times as long as Melanie. Susie used it half as long as David, and David used it 15 minutes longer than Huan. The four friends used the stationary bike for a total of 2.5 hours. How long did Susie use the stationary bike?

- F 60 min
- G 45 min
- H 30 min
- J 15 min

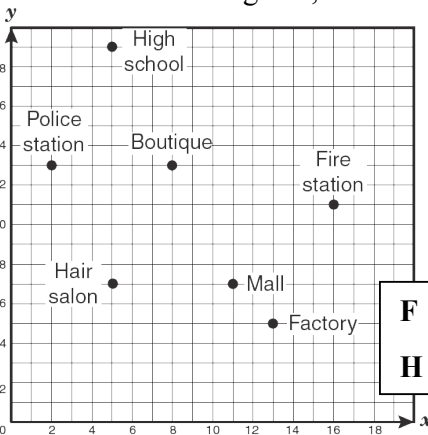
Apr '06 Obj 10 - # 50

The Pruitts own a natural-foods store and purchase sacks containing 5 kilograms of flax seed for \$30 each. The Pruitts then package the seed into 50-gram bags. The bags cost \$0.06 each. If these bags of 50 grams of seed sell for \$0.98 per bag, what is the profit on a 5-kilogram sack of flax seed?

- A \$65
- B \$62
- C \$33
- D \$98

Feb '06 Obj 10 - # 15

The owners of Crispy Sweet Doughnut Shop want to open a shop centrally located to the police station, the high school, the fire station, and the factory. Based on the information given, which of the following

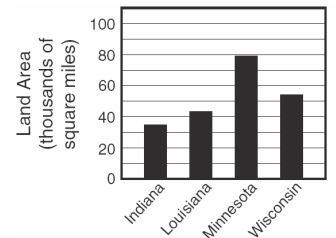
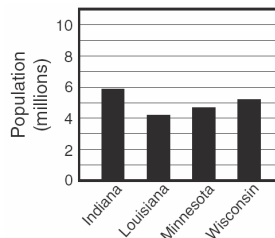


points best represents the location where the new Crispy Sweet Doughnut Shop should open?

- F (9, 12) G (5, 13)
- H (6, 10) J (8, 13)

Apr '06 Obj 10 - # 58

The two bar graphs shown below represent the populations and land areas of four states. Based on the information given in the bar graphs, which of these four states is the least densely populated?



- A Indiana B Louisiana
- C Minnesota D Wisconsin

Feb '06 Obj 10 - # 27