

GMAT Quant Questions

Sample Questions on Problem Solving

Question 1

City B is 4 miles due east of city A. City C is 3 miles due south of city B. City D is 4 miles due east of city C, and city E is 9 miles due north of city D. What is the distance between city A and city E?

- A. 10 miles
- B. 20 miles
- C. 24 miles
- D. 30 miles
- E. 42 miles

Question 2

If eight pounds of macadamia nuts, priced at \$6.00 per pound, are combined with twelve pounds of brazil nuts, priced at \$5.00 per pound, what is the per-pound price of the resulting mixture?

- A. \$5.25
- B. \$5.40
- C. \$5.50
- D. \$5.75
- E. \$5.80

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Question 3

Tom take exactly 30 minutes to rake a lawn and his son Mike takes exactly 60 minutes to rake the same lawn. If Tom and Mike decide to rake the lawn together, and both work at the same rate that they did previously, how many minutes will it take them rake the lawn?

- A. 16
- B. 20
- C. 36
- D. 45
- E. 90

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Question 4

A car drives 40 miles on local roads at 20 mph, and 180 miles on the highway at 60 mph, what is the average speed of the entire trip?

- A. 36 mph
- B. 40 mph

C. 44 mph

D. 52 mph

E. 58 mph

Question 5

How many odd factors does 210 have?

A. 3

B. 4

C. 5

D. 6

E. 8

Next

Question 6

A certain company sells tea in loose leaf and bagged form, and in five flavors: Darjeeling, earl grey, chamomile, peppermint, and orange pekoe. The company packages the tea in boxes that contain either 8 ounces of tea of the same flavor and the same form, or 8 ounces of tea of 4 different flavors and the same form. If the order in which the flavors are packed does not matter, how many different types of packages are possible?

A. 12

B. 15

C. 20

D. 25

E. 30

Question 7

Karen sold her house at a loss of 25 percent of the price that she originally paid for the house and then bought another house at a price of 30 percent less than the price she originally paid for her first house. If she sold the first house for \$225,000, what was her net gain, in dollars, for the two transactions?

- A. \$15,000
- B. \$25,000
- C. \$60,000
- D. \$75,000
- E. \$90,000

Question 8

A code is to be made by arranging 7 letters. Three of the letters used will be the letter A, two of the letters used will be the letter B, one of the letters used will be the letter C, and one of the letters used will be the letter D. If there is only one way to present each letter, how many different codes are possible?

- A. 42
- B. 210
- C. 420
- D. 840

E. 5,040

Question 9

If a rectangular billboard has an area of 104 square feet and a perimeter of 42 feet, what is the length of each of the shorter sides?

A. 4

B. 7

C. 8

D. 13

E. 26