

AMC 8,2020 Problem 1

Luka is making lemonade to sell at a school fundraiser. His recipe requires 4 times as much water as sugar and twice as much sugar as lemon juice. He uses 3 cups of lemon juice. How many cups of water does he need?

- (A) 6
- (B) 8
- (C) 12
- (D) 18
- (E) 24

AMC 8,2020 Problem 2

Four friends do yardwork for their neighbors over the weekend, earning \$15, \$20, \$25, and \$40, respectively. They decide to split their earnings equally among themselves. In total how much will the friend who earned \$40 give to the others?

- (A) \$5
- (B) \$10
- (C) \$15
- (D) \$20
- (E) \$25

AMC 8,2020 Problem 3

Carrie has a rectangular garden that measures 6 feet by 8 feet. She plants the entire garden with strawberry plants. Carrie is able to plant 4 strawberry plants per square foot, and she harvests an average of 10 strawberries per plant. How many strawberries can she expect to harvest?

- (A) 560
- (B) 960
- (C) 1120
- (D) 1920
- (E) 3840

AMC 8,2020 Problem 5

Three-fourths of a pitcher is filled with pineapple juice. The pitcher is emptied by pouring an equal amount of juice into each of 3 cups. What percent of the total capacity of the pitcher did each cup hold?



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