

2025 August AMC 8 Week 1 Day 2 - Fractions and Ratios

1 (1分) A is $\frac{2}{3}$ of B , and B is $\frac{4}{5}$ of C . What is the ratio of $A : B : C$?

- A. 4 : 5 : 8 B. 4 : 5 : 6 C. 8 : 12 : 15 D. 5 : 6 : 8 E. 4 : 6 : 9

2 (1分) The unit prices of products A , B , and C are in the ratio 6 : 5 : 4.

It is known that the unit price of product A is 12 dollars more than that of product C . What is the sum of the unit prices of the three products?

- A. 75 dollars B. 85 dollars C. 90 dollars D. 95 dollars E. 100 dollars

3 (1分) The combined value of my quarters and nickels is ten times the combined value of my pennies and nickels. If I have the same number of pennies as nickels, my ratio of quarters to pennies is () .

- A. 1 : 1 B. 2 : 1 C. 10 : 3 D. 11 : 5 E. 5 : 3

4 (1分) Two baskets of apples are to be distributed among classes A , B , and C .

Class A receives $\frac{2}{5}$ of the total amount. The remaining apples are divided between classes B and C in a ratio of 5 : 7. It is known that the weight of the second basket is $\frac{9}{10}$ of the first basket and is 5 kilograms less than the first basket. How many kilograms of apples does class B receive?

- A. 33 B. 35 C. 23.75 D. 41 E. 30.25

5 (1分) A company originally planned to send $\frac{1}{8}$ of its workers to a short-term training program. Later, 2 more people were added, making the ratio of those who actually attended the training to those who did not 1 : 6. How many people were originally planned to attend the training program?

A. 14

B. 16

C. 30

D. 112

E. 117