

## 2006 AMC 8 SAMPLE QUESTIONS

#1. Mindy made three purchases for \$1.98, \$5.04 and \$9.89. What was her total, to the nearest dollar?

- (A) \$10 (B) \$15 (C) \$16 (D) \$17 (E) \$18

#6. The letter T is formed by placing two 2 inch x 4 inch rectangles next to each other, as shown. What is the perimeter of the T, in inches?

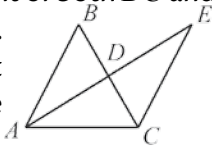


- (A) 12 (B) 16 (C) 20 (D) 22 (E) 24

#12. Antonette gets 70% on a 10-problem test, 80% on a 20-problem test and 90% on a 30-problem test. If the three tests are combined into one 60-problem test, which percent is closest to her overall score?

- (A) 40 (B) 77 (C) 80 (D) 83 (E) 87

#19. Triangle  $ABC$  is an isosceles triangle with  $AB = BC$ . Point  $D$  is the midpoint of both  $\overline{BC}$  and  $\overline{AE}$ , and  $\overline{CE}$  is 11 units long. Triangle  $ABD$  is congruent to triangle  $ECD$ . What is the length of  $\overline{BD}$ ?



- (A) 4 (B) 4.5 (C) 5 (D) 5.5 (E) 6

#23. A box contains gold coins. If the coins are equally divided among six people, four coins are left over. If the coins are equally divided among five people, three coins are left over. If the box holds the smallest number of coins that meets these two conditions, how many coins are left when equally divided among seven people?

- (A) 0 (B) 1 (C) 2 (D) 3 (E) 5