

Mary is about to pay for five items at the grocery store. The prices of the items are \$7.99, \$4.99, \$2.99, \$1.99, and \$0.99. Mary will pay with a twenty-dollar bill. Which of the following is closest to the percentage of the \$20.00 that she will receive in change?

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

2006 AMC 12 B, Problem #4— “Approximate each of the five items.”

Solution (A) The five items cost approximately $8 + 5 + 3 + 2 + 1 = 19$ dollars, so Mary’s change is about \$1.00, which is 5 percent of her \$20.00.

Difficulty: Easy

NCTM Standard: Number and Operations Standard: compute fluently and make reasonable estimates

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