8ᵗʰ Grade Mathematics Sample Questions

1. If a chain is 500 millimeters long and there are 10 chains, how many meters would the chains measure altogether?

   A.   .5 meters
   B.   5 meters
   C.   50 meters
   D.   500 meters

2. If Mrs. Cook spent $12.25 for 35 newspapers, how much did each newspaper cost?

   A.   25¢
   B.   30¢
   C.   35¢
   D.   40¢

3. Which problem would be solved the same way as the problem appearing in bold print below?

   Robbie has saved $11.42. Beth has saved $12.00, and Mona has saved $7.68. They want to purchase a game for $40. What total have they saved?

   A.   In one month, Franklin's father spent $42.90, $22.78, $31.42, and $33.08 on groceries. How much did he spend on groceries during this month?
   B.   Parker has saved $42.84. He wants to buy a game that costs $74.00. How much more money does he need to save?
   C.   Shelly just bought a new car. She will pay $400 a month for five years. What is the total she will pay for the car?
   D.   Mr. Martin's class collected money for the animal shelter. They collected a total of $185.24. If each student collected the same amount and there are 22 students in Mr. Martin's class, what was the total amount each student collected?

4. Which one of the following shows the prime factorization of 126?

   A. $2 \cdot 3^2 \cdot 7$
   B. $14 \cdot 3$
   C. $9 \cdot 2 \cdot 7$
   D. $14 \cdot 9$