Mixed practice word problems

1. Mrs. Hilt traveled 21,120 feet. How many miles did she travel?

2. Mrs. Hilt collected 1,003 nickels in a jar. She went to the bank to cash them in. How much money did the bank give Mrs. Hilt?

3. Mrs. Hilt owns a house on a lot shaped like a rectangle. The perimeter of the lot is 60 feet. What is the length and the width of the lot?

4. Mrs. Hilt bought 15 books. She paid $11 for each book. She later sold all 15 books for $25 each. What is the difference between the total amount of money Mrs. Hilt sold the books for and the total amount of money she paid for the books?

5. Mrs. Hilt earned $25 one week for shoveling snow and $50 for the next week. Then, she gave $\frac{2}{5}$ of her earnings to her little sister for helping her. How much money did she give to her little sister?

6. Over the weekend, the Philadelphia area received an approximate $26\frac{7}{10}$ inches of snowfall. If a province in Canada received three times as much snowfall, how much would the accumulation in that province be?

Answers

1.   1 mile = 5,280 feet
     21,120 ÷ 5,280 = 4
     She traveled 4 miles.

2.   1,003 x 0.05 = 50.15
     The bank gave her $50.15.

3.   Perimeter = 2x(length) + 2x(width)
     Guess and Check: length = 5, width = 10
     (2 x 5) + (2 x 10) = 30
     Guess and Check: length = 10, width = 20
     (2 x 10) + (2 x 20) = 60
     The lot could be 10 feet by 20 feet.

4.   She paid 15 x 11= 165.
     She earned 15 x 25 = 375.
     375 – 165 = 210
     The difference is $210.

5.   She earned 25 + 50 = $75 total.
     75 x 2 = 150
     150 ÷ 5= 30
     She gave her sister $30.

6.   Change $26 \frac{7}{10}$ into an improper fraction.
     $26 \frac{7}{10} = \frac{267}{10}$
     $\frac{267}{10} \times \frac{3}{1} = \frac{801}{10}$
     801 ÷ 10 = 80 remainder 1 = $80 \frac{1}{10}$
     The accumulation was $80 \frac{1}{10}$ inches.