Mixed practice word problems

Grade 5 Math Word Problems Worksheet

Read and answer each question. Show your work!

1. Mrs. Hilt saw an iPod for sale. The price tag said the iPod cost $128, but a sign announced that it was on sale for "35% off." How much would the iPod cost after the discount?

2. Mrs. Hilt wants to buy a television that regularly costs $600. If the sale price was 20% off the regular price, what was the sale price?

3. The recipe Mrs. Hilt is using calls for 2 1/3 cups of flour. She only has a container that holds 1/3 of a cup. How many times should she fill the container with flour?

4. City A received 24 1/2 inches of snow, City B received 20 2/5 inches of snow, and City C received 17 3/10 inches of snow. The meteorologist lost the data for City D; however, she knows the total for all 4 cities was 93 inches. How much snow did City D receive?

5. Mrs. Hilt traveled 6,760 miles to Japan. She read one book every 450 miles she traveled. How many books had she finished when she got to Japan?

6. Mrs. Hilt earns $3,000 a month. Her rent is $660 each month, her monthly food bill is $350, and her insurance costs one-third of what she makes. How much money does she have left after paying those three bills?

Answers:

1. 128 x 0.35 = $44.80 off.   128.00 – 44.80 = 83.20
   It costs $83.20.

2. 600 x .20 = $120 off. 600 - 120 = 480
   The sale price is $480.

3. 2 1/3 as an improper fraction is 2x3+1 = 7, so the fraction is 7/3.
   7/3 ÷ 1/3 = 7/3 x 3/1 = 21/3, which reduces to equal 7.
   She should fill it 7 times.

4. The common denominator is 10. 24 5/10 + 20 4/10 + 17 3/10 =
   61 12/10, which is 62 2/10 or 62 1/5. 93 – 62 1/5 = 92 5/5 – 62 1/5 =
   30 4/5.
   City D received 30 4/5 inches of snow.

5. 6760 ÷ 450 = 15, remainder 10
   She finished 15 books.

6. Her expenses are 660 + 350 + 1,000 (1,000÷3) = 2,010.
   3,000 – 2,010 = 990
   She has $990 left.