

Grade 5 Math Word Problems Worksheet

Read and answer each question. Show your work!

Mixed Practice #8

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 is 20% off the regular price, what was the sale price?
3. The recipe Mrs. Hilt is using calls for $2\frac{1}{3}$ cups of flour. She only has a container that holds $\frac{1}{3}$ of a cup. How many times should she fill the container with flour?
4. City A received $24\frac{1}{2}$ inches of snow, City B received $20\frac{2}{5}$ inches of snow, and City C received $17\frac{3}{10}$ inches of snow. The meteorologist lost the data for City D, however she knows the total for all 4 cities is 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. $128 \times 0.35 = \$44.80$ off. $128.00 - 44.80 = 83.20$
It costs \$83.20.
2. $600 \times .20 = \$120$ off. $600 - 120 = 480$
The sale price is \$480.
3. $2 \frac{1}{3}$ as an improper fraction is $2 \times 3 + 1 = 7$, so the fraction is $\frac{7}{3}$.
 $\frac{7}{3} \div \frac{1}{3} = \frac{7}{3} \times \frac{3}{1} = 21/3$, which reduces to equal 7.
She should fill it 7 times.
4. The common denominator is 10. $24 \frac{5}{10} + 20 \frac{4}{10} + 17 \frac{3}{10} = 61 \frac{12}{10}$, which is $62 \frac{2}{10}$ or $62 \frac{1}{5}$. $93 - 62 \frac{1}{5} = 92 \frac{5}{5} - 62 \frac{1}{5} = 30 \frac{4}{5}$.
City D received $30 \frac{4}{5}$ inches of snow.
5. $6760 \div 450 = 15$, remainder 10
She finished 15 books.
6. Her expenses are $660 + 350 + 1000 (1000 \div 3) = 2010$.
 $3000 - 2010 = 990$
She has \$990 left.