Problem Solving: Use the Remainder

Solve. Explain how you used the remainder.

1. Mrs. Jones has her students share copies of worksheets in class. There are 19 students in the class. If she has 3 students share one copy, how many copies should Mrs. Jones make? Hint: Divide 19 by 3. If there is a remainder, those students will need a copy too.

2. Parker spends 9 hours per week on his homework. He has 5 subjects and wants to divide the time he spends on homework evenly among the subjects. How long will he spend on each subject? Divide 9 by 5 to find the answer.

3. Last year, Karla spent a total of $140 to get her car washed 16 times. How much did she pay each time?

4. Mr. Baxter has a roll of 52 feet of paper for his art class. There are 16 students in the class, and Mr. Baxter plans to divide the paper equally among the students. How much paper will each student get?

5. Gayle manages a hotel and needs new appliances for the guest rooms. She plans to spend $715 on 6 refrigerators and 8 microwaves. If the refrigerators cost $71.50 each, what is the price of each microwave?

6. The Calvin family uses one cable provider for cable TV, internet, and digital phone services. They pay $138 a month for the combination of services. If they paid for each service separately, they would pay $60 for cable TV, $35 for internet, and $55 for digital phone. What is their daily savings for a 30-day month?