

Problem-Solving Skill

Interpreting Remainders



Mrs. Soong Lee wants to buy fruit rolls for her 32 students to eat on a field trip to the science museum. The fruit rolls come in boxes of 6. How many boxes does Mrs. Lee need to buy?

1. Which of the following could you do to solve the problem?
 - a. You could find $32 \div 6 = 5 \text{ R}1$.
 - b. You could find $32 \div 6 = 5 \text{ R}2$.
 - c. You could find $25 - 6 = 19$.
2. How should you use the remainder to solve the problem?
 - a. Use it to round up the quotient, so the answer is 6 boxes.
 - b. Drop the remainder, so the answer is 5 boxes.
 - c. Use the remainder, so the answer is 5 R2 boxes.

6 students forgot to bring vegetable pieces to class for vegetable printing. Mr. Wong packed 16 vegetable pieces for students who forgot to bring theirs. How many vegetable pieces will not be used if the students each use an equal number of pieces?

3. Which of the following could you do to solve the problem?
 - a. You could find $16 \div 6 = 2 \text{ R}4$.
 - b. You could find $16 \div 6 = 3 \text{ R}2$.
 - c. You could find $16 + 6 = 22$.
4. How should you use the remainder to solve the problem?
 - a. Use it to round up the quotient, so the answer is 3 pieces.
 - b. Drop the remainder, so the answer is 2 pieces.
 - c. Use the remainder, so the answer is 4 pieces.
5. **Math Reasoning** Patrick has 26 apples and Marcy has 30 apples. They both put eight apples in each pie. Will Marcy be able to make more pies because she has more apples? Explain your answer.
