Adding and Subtracting Fractions Word Problems

Mrs. Tuzo is the athletic director at Applewood Elementary School.

1.) On Friday, \( \frac{1}{6} \) of the school’s basketballs were being used all day by gym classes and another \( \frac{1}{6} \) of the school’s basketballs were being used by the girl’s basketball team for a tournament. What fraction of the basketballs were being used?

2.) Mrs. Tuzo has \( \frac{11}{12} \) of a jug of water in her office. She then takes another 2 full jugs of water to her office to by the football team during practice. The football team drank \( 1 \frac{5}{12} \) jugs of water during practice. How many jugs of water are left?

3.) Mrs. Tuzo also had 5 \( \frac{5}{12} \) boxes of ping pong balls, but 3 \( \frac{1}{12} \) of the ping pong balls were cracked. After she threw away all of the cracked ping pong balls, how many boxes of ping pong balls were left?

4.) Mrs. Tuzo purchased 8 packs of baseball gloves. She put 4 \( \frac{2}{9} \) packs into storage for next school year and she gave \( \frac{5}{9} \) of a pack to the baseball team. How many packs of baseball gloves did she have left over?
ANSWER KEY

1.) \( \frac{2}{6} \) or \( \frac{1}{3} \) of the school’s basketballs were in use.

2.) \( 1 \frac{6}{12} \) or \( 1 \frac{1}{2} \) jugs of water were left over.

3.) \( 2 \frac{4}{12} \) or \( 2 \frac{1}{3} \) boxes of ping pong balls were left.

4.) \( 3 \frac{2}{9} \) packs of baseball gloves were left over.