tutorified

Addition and Subtraction of Like Mixed Numbers I

1. Solve the following fractions. Simplify your answer.

   a. $3\frac{3}{5} + 5\frac{4}{5}$ e. $7\frac{1}{8} - 1\frac{7}{8}$

   b. $5\frac{3}{7} + 5\frac{6}{7}$ f. $5\frac{1}{3} - 1\frac{2}{3}$

   c. $3\frac{4}{9} + 1\frac{7}{9}$ g. $3\frac{1}{4} - 2\frac{2}{4}$

   d. $8\frac{3}{4} + 9\frac{3}{4}$ h. $5\frac{1}{5} - 2\frac{2}{5}$

   Solution:

   a.   e.

   b.   f.

   c.   g.

   d.   h.

2. On Friday, many of the students were absent. $\frac{1}{8}$ of the class went to a basketball tournament and $\frac{1}{8}$ of the class called in sick. What fraction of the class was in school?

   Solution:

3. Ms. Grace received $2\frac{1}{7}$ bags of chocolate for Valentine's from her class and $\frac{5}{7}$ of bag of chocolates from a few students from last year's class. She shared $1\frac{2}{7}$ with other teachers and took the rest of the chocolate home. How many bags of chocolate did she take home?

   Solution:

4. Ms. Grace spent $1\frac{5}{12}$ hours in preparing for her class and spent $2\frac{1}{12}$ hours teaching the class. Later that day, she spent $1\frac{11}{12}$ hours cleaning her work at home. How much time did she spend on working this day?

   Solution:

5. Laura baked 2 cakes in a microwave. Cake one takes $\frac{8}{12}$ of an hour to bake. Cake number two takes $\frac{5}{12}$ of an hour to bake. How much more time did cake one take?

   Solution:

6. Which of the following expression is equal to $5\frac{8}{9}$?

   a. $1\frac{3}{9} + 4\frac{5}{9}$ c. $2\frac{4}{9} + 4\frac{6}{9}$

   b. $4\frac{3}{9} + 3\frac{5}{9}$ d. $3\frac{1}{9} + 3\frac{4}{9}$

   Solution:

Answer Key

1.
   a. $9\frac{2}{5}$
   b. $11\frac{2}{7}$
   c. $5\frac{2}{9}$
   d. $18\frac{1}{2}$
   e. $5\frac{1}{4}$
   f. $3\frac{2}{3}$
   g. $\frac{3}{4}$
   h. $2\frac{4}{5}$

2. $\frac{3}{4}$

3. $1\frac{4}{7}$

4. $5\frac{5}{12}$

5. $\frac{1}{4}$

6. A.