Adding and subtracting fractions

Grade 4 Word Problems Worksheet

At the kitchen of a popular restaurant, the assistant chefs are preparing the ingredients for a busy Friday night.

1. There were $3\frac{1}{2}$ of bags of flour in the kitchen. $4\frac{1}{2}$ bags of flour were delivered. How many bags of flour are there in total?

2. 9 cartons of milk were delivered to the kitchen, but an assistant spilled $2\frac{5}{8}$ cartons of milk. Together with the $4\frac{1}{8}$ cartons of milk that were in the fridge, how many cartons of milk are there in total?

3. There were $5\frac{3}{4}$ crates of eggs but $\frac{1}{4}$ of a crate of eggs was broken. 3 assistants then checked the rest of the eggs and found that $2\frac{1}{4}$ crates of the eggs were rotten. How many crates of good eggs were left?

4. There is $\frac{9}{10}$ of a kilogram of ground beef and $\frac{7}{10}$ of a kilogram of ground pork in the freezer and an assistant is defrosting $2\frac{3}{10}$ kilograms of ground beef. How much ground beef is there in total?

5. There are two identical fridges for desserts. One of the fridges has $\frac{5}{8}$ of its room left and the other fridge is only $\frac{1}{8}$ full. How much room is left?

6. The chef was supposed to arrive at the restaurant $2\frac{5}{12}$ hours before the restaurant opens. However, he was $1\frac{1}{12}$ hour late. How many hours did the chef have to prepare before the restaurant opens?

Answers

1. $3\frac{1}{2} + 4\frac{1}{2} = 8$
   There are 8 bags of flour in total.

2. $9 - 2\frac{5}{8} + 4\frac{1}{8} = 10\frac{4}{8}\ \left(or\ 10\frac{1}{2}\right)$
   There are $10\frac{1}{2}$ cartons of milk in total.

3. $5\frac{3}{4} - \frac{1}{4} - 2\frac{1}{4} = 3\frac{1}{4}$
   $3\frac{1}{4}$ crates of eggs were left.

4. $\frac{9}{10} + 2\frac{3}{10} = 3\frac{2}{10}\ \left(or\ 3\frac{1}{5}\right)$
   There are $3\frac{1}{5}$ kilograms of ground beef in total.

5. $\frac{5}{8} + \frac{7}{8} = 1\frac{4}{8}\ \left(or\ 1\frac{1}{2}\right)$
   There is an equivalent of $1\frac{1}{2}$ room left.

6. $2\frac{5}{12} - 1\frac{1}{12} = 1\frac{4}{12}\ \left(or\ 1\frac{1}{3}\right)$
   He had $1\frac{1}{3}$ hours to prepare before the restaurant opens.