Fraction word problems
Grade 5 Word Problems Worksheets

Read and answer each question:

Ashley takes care of her younger sister, Bernice, when her parents go away for a vacation.

1. The distance between home and university is $15\frac{3}{4}$ miles. Before Ashley goes to class, she needs to drop off Bernice at elementary school, which is $9\frac{1}{8}$ miles away from their home. After she drops off Bernice, Ashley bikes $12\frac{1}{3}$ miles to the university. Compared to going to university directly from home, how much more does Ashley need to travel if she drops off Bernice?

2. Ashley worked part-time in the coffee shop down the street. Her usual shift is $3\frac{4}{5}$ hours per day. But since she needed to go to pick up Bernice, she left work $1\frac{1}{4}$ hours earlier on Thursday and Friday. How much did she work on Thursday and Friday?

3. On Saturday, Ashley planned to make pancakes for breakfast. To make $1\frac{1}{2}$ batches of pancakes, she needs $2\frac{1}{3}$ cups of flour. There are $5\frac{1}{4}$ cups of flour in the kitchen. How much flour was left after she made the pancakes?

4. Ashley squeezed $12\frac{1}{2}$ oz. of juice into a pitcher that can hold $14\frac{1}{4}$ oz. Bernice poured $5\frac{3}{8}$ oz. of juice out. How much juice was left in the pitcher?

5. Ashley took Bernice to a birthday party. The party was scheduled to last for $1\frac{3}{4}$ hours but Bernice stayed for $\frac{4}{5}$ of an hour more. How long did she stay at the party?

6. The distance between her home and the airport is $54\frac{1}{2}$ miles. On Sunday, Ashley drove to the airport to pick up her parents. It took her $1\frac{5}{6}$ hour to get there and $2\frac{1}{3}$ hours to come home. How much time did she spend driving to and from the airport?
Answers

1. \[12 \frac{1}{3} + 9 \frac{1}{8} - 15 \frac{3}{4} = 5 \frac{17}{24}\]
   
   Ashley needs to travel \(5 \frac{17}{24}\) miles more if she drops off Bernice.

2. \[\frac{3}{5} + \frac{4}{5} - \frac{1}{4} - \frac{1}{4} = 5 \frac{1}{10}\]
   
   She worked \(5 \frac{1}{10}\) hours on Thursday and Friday.

3. \[5 \frac{1}{4} - 2 \frac{1}{3} = 2 \frac{11}{12}\]
   
   \(2 \frac{11}{12}\) cups of flour were left after she made the pancakes.

4. \[12 \frac{1}{2} - 5 \frac{3}{8} = 7 \frac{1}{8}\]
   
   \(7 \frac{1}{8}\) oz. of juice was left in the pitcher.

5. \[\frac{3}{4} + \frac{4}{5} = 2 \frac{11}{20}\]
   
   Bernice stayed at the party for \(2 \frac{11}{20}\) hours.

6. \[\frac{5}{6} + 2 \frac{1}{3} = 4 \frac{1}{6}\]
   
   Ashley spent \(4 \frac{1}{6}\) hours driving to and from the airport.