

Fraction word problems

Grade 5 Word Problems Worksheet

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

- $12\frac{1}{3} + 9\frac{1}{8} - 15\frac{3}{4} = 5\frac{17}{24}$
Ashley needs to travel $5\frac{17}{24}$ miles more if she drops off Bernice.
- $3\frac{4}{5} + 3\frac{4}{5} - 1\frac{1}{4} - 1\frac{1}{4} = 5\frac{1}{10}$
She worked $5\frac{1}{10}$ hours on Thursday and Friday.
- $5\frac{1}{4} - 2\frac{1}{3} = 2\frac{11}{12}$
 $2\frac{11}{12}$ cups of flour were left after she made the pancakes.
- $12\frac{1}{2} - 5\frac{3}{8} = 7\frac{1}{8}$
 $7\frac{1}{8}$ oz of juice was left in the pitcher.
- $1\frac{3}{4} + \frac{4}{5} = 2\frac{11}{20}$
Bernice stayed at the party for $2\frac{11}{20}$ hours.
- $1\frac{5}{6} + 2\frac{1}{3} = 4\frac{1}{6}$
Ashley spent $4\frac{1}{6}$ hours driving to and from the airport.