Fraction word problems

Grade 3 Math Word Problems Worksheet

Read and answer each question.

Eddie has always liked watching musicals at the theater. For his birthday, his mom took him to several theaters.

1. Their first destination was the city theater. If they watched one musical for $\frac{2}{5}$ hours and another musical for $\frac{1}{5}$ hours, how much time did they spend at the city theater?

2. After the city theater, they went for a drive upstate to see another show. The next theater is $6\frac{7}{9}$ miles away. If they stopped at a gas station after travelling $4\frac{5}{9}$ miles to fuel up, how many more miles are left before they reach the second theater?

3. Upon reaching the second theater, they immediately bought tickets worth 2 dollars and 3 quarters. If they paid 5 dollars, how much would be their change?

4. They spent $3\frac{5}{12}$ hours in the second theater and did nothing except watch the show and eat dinner at the theater café. If the show lasted for $2\frac{3}{12}$ hours, how much time did they spend eating at the café?

5. After eating dinner, they immediately jumped in the car to catch the show at the final theater. If they drove $\frac{7}{11}$ of a mile to reach the freeway and another $\frac{4}{11}$ of a mile to reach the last theater, how far is the last theater from the second theater?

Answers:

1. $\frac{2}{5} + \frac{1}{5} = \frac{3}{5}$

   They spent $\frac{3}{5}$ of an hour at the city theater.

2. $6\frac{7}{9} - 4\frac{5}{9} = 2\frac{2}{9}$

   There are $2\frac{2}{9}$ miles left before they reach the second theater.

3. $5 - 2\frac{3}{4} = 4\frac{4}{4} - 2\frac{3}{4} = 2\frac{1}{4}$

   Their change would be $2\frac{1}{4}$ dollars or 2 dollars and one quarter.

4. $3\frac{5}{12} - 2\frac{3}{12} = 1\frac{2}{12}$ or simply $1\frac{1}{6}$

   They spent $1\frac{2}{12}$ or $1\frac{1}{6}$ hours eating at the theater café.

5. $\frac{7}{11} + \frac{4}{11} = \frac{11}{11}$ or 1

   The last theater is $\frac{11}{11}$ or 1 mile away from the second theater.