5210

Fraction Word Problems: Least Common Denominators & Simplest Forms

1. If a 5th grade class has 75 students and only 11/25ths like oranges, how many students like oranges?

2. Jane likes to play soccer. Her practice is every week night for 1 hour after school, and games last 1 hour on Saturdays. If there are 168 hours in a week, how much of each week does Jane spend playing soccer? Write as a fraction in simplest form.

3. Chefs on a train are making lunch for all of the passengers. There are 4 chefs who each want to make lunch for 1/4 of the passengers on the train. If there are 6 cars with 10 people in each car, how many passengers should each chef cook for?

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4. A 5th grade teacher in California wants to help keep their students healthy and encourages them to eat 5 servings of fruits and vegetables each day. If the class has 36 students and only 27 eat 5 or more servings of fruits and vegetables a day, how many students out of the whole class are NOT eating enough fruits and vegetables? Write as a fraction in simplest form.

5. Liam enjoys walking his dog Lucy to the park every day. It takes the two of them 15 minutes to walk there, 1/2 an hour to walk around the park, and 1/4 hour to walk home. How many hours of physical activity is Liam getting by walking his dog? Is he getting enough exercise each week?

6. Paul's sister likes to get 5 servings of fruits and vegetables each day, but the only vegetables she will eat are broccoli and carrots. Yesterday, she ate broccoli for 1/3 of her servings of fruits and vegetables, and carrots for 2/8 of her servings. If Paul's sister ate 100% of her recommended 5 servings of fruits and vegetables, how much of it was fruit? Write as a fraction in simplest form.

7. Ryan has 18 pieces of mango and wants each of his 5 friends to try some. If he and his friends all get equal amounts, how much of the mangoes does each person get? Write as a whole number and a fraction in simplest form.

8. Lauren doesn't like soda, so she didn't have any last week, but she really likes orange juice. If her carton of orange juice had 24 servings in it and she drank 1 serving of orange juice 3 times last week, how much of the bottle did she finish? How many sugary beverages did she drink?

9. Claire really likes watching TV. Each of her favorite shows lasts for 30 minutes, but she is only supposed to watch 2 hours of TV per day. If she watches 5 shows, how many hours of TV does she watch? Is it the right amount?

10. Andy's mom made the family a healthy dinner with lots of yummy vegetables. If Andy's mom takes 1/4 of the vegetables, his older sister takes 3/6, and his younger brother takes 1/8, how much is left for Andy? Who took the most vegetables? Write as a fraction in simplest form.

Answer Key:

1. 33
2. 1/28
3. 15
4. 1/4
5. 1 hour; yes
6. 1/2
7. 3 pieces; 1/6
8. 1/8; 3 sugary beverages
9. 2 & 1/2 hours; no
10. 1/8; Andy's older sister