

Lesson 5.7C ~ Multiplying and Dividing with Mixed Numbers

Name _____ Period _____ Date _____

Solve each problem, choosing the correct operation (+, −, × or ÷).

1. Daniel made $3\frac{1}{2}$ batches of jam and ended with a total of $14\frac{7}{16}$ cups of jam. If each batch of jam made an equal number of cups of jam, how many cups were in each batch?
2. Lacey ate $\frac{3}{8}$ of 2 pizzas. Tory ate $\frac{1}{4}$ of 2 pizzas. Zander and Lexi ate $\frac{1}{2}$ of 3 pizzas. If there were 3 equal-sized pizzas, what fraction of all the pizza is left?
3. Trevor had $5\frac{5}{8}$ pounds of grain for his goats. Susan had $9\frac{3}{4}$ pounds of grain for her goats. They will each use $\frac{1}{2}$ of their grain in the next month. How many pounds of grain will be left altogether?
4. Kai ordered 6 cubic yards of dirt. He used $\frac{1}{4}$ of the dirt to build up a flowerbed in front of his house. He used $\frac{1}{3}$ of the remaining dirt to level out the back yard before planting new grass. He used $\frac{1}{6}$ of all the dirt he had left for his water feature.
 - a. How many cubic yards of dirt did Kai use?
 - b. How many cubic yards of dirt are left?
5. Lily danced for $45\frac{1}{2}$ minutes. Morgan danced for $\frac{2}{3}$ of Lily's time.
 - a. How many more minutes did Morgan dance than Lily?
 - b. How much time did they dance altogether?