Multiplying with Mixed Numbers

Solve the word problems. Show your work.
Write your answer as a mixed number and simplify.

a. Patsy’s Pizzeria sold $3 \frac{5}{6}$ vegetable pizzas yesterday. They sold 3 times as many pepperoni pizzas. How many pepperoni pizzas did they sell?

b. On Saturday, Patsy’s Pizzeria sold $6 \frac{5}{6}$ pounds of garlic bread. On Sunday, they sold 2 times as much. How many pounds of garlic bread did they sell on Sunday?

c. Usually, Patsy’s uses $2 \frac{3}{4}$ gallons of barbecue sauce a day to make their barbecue chicken wings. They use $1 \frac{1}{2}$ times as much hot sauce making their hot wings. How many gallons of hot sauce do they use in a day?
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Solve the word problems. Show your work. Write your answer as a mixed number and simplify.

a. Patsy’s Pizzeria sold $3\frac{5}{6}$ vegetable pizzas yesterday. They sold 3 times as many pepperoni pizzas. How many pepperoni pizzas did they sell?

b. Each of the 7 members of the school chess club made 16 chess pieces. How many chess pieces did they make in all?

c. Of the 36 soccer games played during the season, the school won 14 games. How many games did the school lose?

d. Usually, Patsy’s uses 2\frac{3}{4} gallons of barbecue sauce a day to make their barbecue chicken wings. They use 1\frac{1}{2} times as much hot sauce making their hot wings. How many gallons of hot sauce do they use in a day? ___________ gallons

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