Activity 2d: Pizza Problems and Multiplication of Fractions

**For each of the problems below:**

* **Estimate the answer to the following problems.**
* **Use drawings to represent the problem and show the exact answer.**
* **Write a number sentence that represents the problem and states the solution.**

A. Ajay owns a pizza pie shop. The shop makes square pizza pies and sells them by whole pies or fractional parts of a pie.

1. Liz comes to the shop and sees that there are six different kinds of pizza for sale in the display case, each one only being $\frac{3}{8}$ of a pie. Liz decides to buy all the pizza that is in the display case. How much pizza pie does Liz buy?
2. Gail wants to buy $\frac{1}{2}$ of the piece of pineapple pizza left in the case, which is $\frac{1}{3}$ of a pie. How much pizza pie does Gail want to buy?
3. Dave, the football coach, comes into the shop to buy pizza for his senior players. Each player will eat 2 $\frac{3}{4}$ pizzas. There are 5 seniors on the team. How much pizza does Dave need?
4. For each super large pizza, Ajay uses 1 $\frac{1}{3}$ pounds of cheese. Sharon orders 2 $\frac{1}{2}$ super large pizzas. How much cheese does Ajay need for this order?