

Inequalities

Extra Practice Items:

1. Benjamin has \$5 to buy pizza and french fries. Pizza cost \$1.25 a slice and french fries cost \$1.10 per order.
 - Write an inequality that represents the number of slices of pizza and orders of french fries Benjamin can buy.
 - List 3 possible combinations of slices of pizza and orders of french fries Benjamin could buy. Use mathematics to justify your answer.

2. Baseball trading cards sell for \$0.80 a pack and Pokemon cards sell for \$3.60 a pack. Evon has \$20.
 - List 3 possible combinations of baseball trading cards and Pokemon cards Evon could buy with her \$20. Use mathematics to explain how you determined your answer. Use words, symbols, or both in your explanation.

3. Kathy works at an optical store selling eyeglasses. Each week she earns \$180 plus a 2% commission on her total sales for the week. Next week she wants to earn at least \$350.
 - Write an inequality that represents the number of eyeglasses Kathy must sell to earn at least \$350.
 - How many pairs of eyeglasses must Kathy sell to reach her goal of earning \$350? Use mathematics to explain how you determined your answer. Use words, symbol, or both in your explanation.