

Coach's Questions

The football coach wanted the following questions answered. Present your answers numerically (in a table), graphically, and algebraically.

1. How many hot dogs must be sold if the profit is to be at least \$100?
2. The team needs to raise at least \$250 to buy new jerseys. How many hot dogs must be sold to reach this goal?
3. Should the football team consider selling hot dogs if they predict that the most they would sell is 905 hot dogs? Why or why not?
4. If the coach purchased 2500 hot dogs, what is the largest profit the team can make?