

Estimating Products

Backpacking A backpacking club is planning a 12-day trip. There are 14 members in the club.

1. Each member of the club eats 2 lb of food each day. Write and solve an expression you could use to overestimate how much food the club should bring.

2. Overestimate how many pounds of food would be needed if 4 of the members brought along 1 friend each.

3. Estimate the cost of 4 winter coats in 1930.

Item	Cost in 1930
Winter coat	\$28
Sewing machine	\$24
Gas stove	\$21

4. Estimate the cost today of buying 8 sewing machines if each machine costs \$285. Estimate the cost today for 9 gas stoves if each stove costs \$582.

5. **Writing in Math** Explain how you estimated the costs in Exercise 4. Was your answer an overestimate or an underestimate?
