Clustering Technique for Addition

Estimation Strategy

***When** to use this strategy:* Use this strategy when you are adding and all the numbers cluster around a central number.

***How** to use this strategy:* Estimate the average of the numbers by finding the central number (do *not* actually add up the numbers and divide). Take this "visual" average times the number of numbers.

Example: $712 + 699 + 694 + 688 + 715 \approx 700 \times 5 \approx 3500$.

Use this (new) strategy on the following:	
1.) In the first four games, the Packers have scored 55, 49, 51, and 46 points, respectively. About how many points have they scored so far this year?	2.) The Wilsons ordered three Value Meals for $3.99, $4.10, and $3.85, respectively. What was the approximate total cost?
3.) The numbers of visitors to the museum last week were 580, 602, 590, 634, and 599 (on Monday through Friday). About how many people visited the museum last week?	4.)

Use any strategy you know on the following:	
5.) If there are 223 calories per serving and you eat three servings, how many calories did you consume?	6.) Sally bought three gifts costing $39.54, $42.98, and $40.03. Estimate the total cost.
7.) Find the total cost at the concession stand. Popcorn: 75¢; Sandwich: $3.60; Drink: $1.25.	8.) There are 3618 students in three high schools. What is the average number of students in each high school?