Name _____ Date _____

Is It Reasonable

1. Pretend you are the teacher. Show or tell how to estimate the answer to each student's problem. Use your estimates to see if the students' answers are reasonable.

A. Levi's Solution:

$$\begin{array}{r} 475 \\ +\ 338 \\ \hline 7113 \end{array}$$

Show or tell how you estimated the sum.

Is Levi's solution reasonable? _____

B. Luis's Solution:

$$\begin{array}{r} 399 \\ +\ 219 \\ \hline 618 \end{array}$$

Show or tell how you estimated the sum.

Is Luis's answer reasonable? _____

Name _____ Date _____

2. There were 416 people watching the walkathon and 289 people participating in the walkathon. About how many people were at the walkathon?

Circle the answer that you think is more reasonable:

under 1000 over 1000

Show or tell how you estimated the sum.

3. Last year, these sandwiches were served at a luncheon after the walkathon:

Number of Sandwiches

Kind of Sandwich	Number of Sandwiches
cheese	215
ham	187
tuna	295
peanut butter & jelly	105

The teachers are thinking about how many sandwiches they will need to order if about the same number of people will be eating this year.

Name _____ Date _____

A. Mara adds the hundreds and thinks they should order 600 sandwiches for this year's luncheon. Is this a reasonable estimate? Why or why not?

B. Show or tell how you would estimate the total number of sandwiches needed.

C. Each sandwich costs $2.15. About how much should the teachers expect to spend on all the sandwiches? Show or tell how you know.

Name _____ Date _____

Is It Reasonable Feedback Box	Expectation	Check In	Comments
Estimate sums using mental math strategies (e.g., rounding using benchmarks, using friendly numbers, composing and decomposing numbers, counting). [Q# 1–3]	E8		

	Yes . . .	Yes, but . . .	No, but . . .	No . . .
MPE1. Know the problem. I read the problem carefully. I know the questions to answer and what information is important. [Q# 3]				
MPE2. Find a strategy. I choose good tools and an efficient strategy for solving the problem. [Q# 3]				
MPE3. Check for reasonableness. I look back at my solution to see if my answer makes sense. If it does not, I try again. [Q# 3]				
MPE5. Show my work. I show or tell how I arrived at my answer so someone else can understand my thinking. [Q# 3]				