Estimation Practice

Homework

Dear Family Member:

In class, we are learning to use estimation to check for reasonable answers to addition problems. Ask your child to explain how he or she estimated the sums for each problem.

Thank you.

For Questions 1–3, estimate the answer for each problem. Circle the estimate that you think is the closest. Show or tell how you estimated the answer.

1. 126 first graders, 268 second graders, and 239 third graders completed laps around the school on the walkathon. What is the closest estimate for the number of students who participated?

    A. 1000   **B.** 300   **C.** 600

    Show or tell how you estimated the sum.

2. Two second grade classes reported their totals for the week. One class walked 458 laps and the other class walked 499 laps. What is the closest estimate for the number of laps they walked altogether?

    A. 1000   **B.** 8157   **C.** 600

    Show or tell how you estimated the sum.

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3. The second grade classes walked a total of 624 laps by Thursday. On Friday they walked 279 additional laps. Estimate the total number of laps they walked during the week.

    A. 1200   **B.** 400   **C.** 900

    Show or tell how you estimated the sum.

4. There are 4 second grade classes at Parker Elementary. They want to walk 1200 laps by the end of the week. The table below shows how many laps each class completed by Friday. Did they reach their goal of 1200 laps?

    Walkathon Laps by Room

Classroom	Number of Laps in One Week
Room 117	284
Room 119	198
Room 121	187
Room 123	201

    Show or tell how you estimated the sum.

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Questions 1–5

Responses may vary.

1. 600; Possible response: I found friendly numbers: 126 is close to 100, 268 is close to 300, and 239 is close to 200.
    $100 + 300 + 200 = 600$.

2. 1000; Possible response: I found friendly numbers: 458 and 499 are both close to 500.
    $500 + 500 = 1000$.

3. 900; Possible response: I added the hundreds and tens: $600 + 200 = 800$; $20 + 70 = 90$; and $800 + 90 = 890$. That's close to 900.

4. No. Possible response: I found friendly numbers: 284 is close to 300, 198 is close to 200, 187 is close to 200, and 201 is close to 200. I added $300 + 200 + 200 + 200 = 900$. That is far from 1200.

5. Under 1000. Possible response: I found friendly numbers: 98 is close to 100, 115 is close to 100, 85 is close to 100, 186 is close to 200, and 104 is close to 100. I added $100 + 100 + 100 + 200 + 100 = 600$. That's under 1000.

5. The chart below shows how many laps Mrs. Dewey's class walked each day. Estimate the number of laps they walked for the week.

    Walkathon Laps by Day

Day of the Week	Number of Laps
Monday	98
Tuesday	115
Wednesday	85
Thursday	186
Friday	104

    Circle the answer that you think is more reasonable.

    under 1000   over 1000

    Show or tell how you estimated the sum.

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