MY Homework

Homework Helper

eHelp

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Ms. Montoya makes $2\frac{3}{4}$ pounds of goat cheese in the morning.
In the afternoon, she makes $1\frac{1}{5}$ pounds of goat cheese. Is
3 pounds, 4 pounds, or 5 pounds the most reasonable estimate
for how much goat cheese Ms. Montoya makes in one day?

1 Understand

What facts do you know?
Ms. Montoya makes $2\frac{3}{4}$ pounds and $1\frac{1}{5}$ pounds of goat cheese in one day.

What do you need to find?
a reasonable estimate of how much goat cheese she makes in one day

2 Plan

Use estimation to find a reasonable answer.

3 Solve

Round each amount of cheese to the nearest whole number.

Morning   **Afternoon**

$2\frac{3}{4} \rightarrow 3$ $1\frac{1}{5} \rightarrow 1$

In one day, she makes about $3 + 1$, or 4 pounds of goat cheese.

So, Ms. Montoya makes about 4 pounds of goat cheese in one day.

4 Check

Is my answer reasonable?
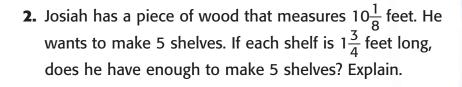Subtract the rounded amount she made in the morning from the estimated total.

$4 - 3 = 1$

So, the answer is reasonable.

Problem Solving

1. Alyssa needs $7\frac{5}{8}$ inches of ribbon for one project and $4\frac{7}{8}$ inches of ribbon for another project. If she has 11 inches of ribbon, will she have enough to complete both projects? Explain.

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2. Josiah has a piece of wood that measures $10\frac{1}{8}$ feet. He wants to make 5 shelves. If each shelf is $1\frac{3}{4}$ feet long, does he have enough to make 5 shelves? Explain.

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3. After school, Philipe spent $1\frac{3}{4}$ hours at baseball practice, $2\frac{1}{4}$ hours on homework, and $\frac{1}{4}$ hour getting ready for bed. Which is the most reasonable estimate for how long he spent on his activities: 3 hours, 4 hours, or 5 hours? Explain.

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4. Kimane and a friend picked apples. Kimane picked $4\frac{2}{3}$ pounds and his friend picked $5\frac{5}{6}$ pounds. Which is the most reasonable estimate for how many pounds they picked altogether: 9 pounds, 11 pounds, or 12 pounds?

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My Work!