Study Guide: Practical Problems with Fractions
Show your WORK!

Name ____________________________

1. A metal pipe is 26 $\frac{3}{16}$ inches long. A plumber needs a 25 $\frac{1}{2}$ inch long pipe. How much of the pipe does the plumber need to cut off?

2. If you mixed $\frac{5}{8}$ quart of red paint and $\frac{2}{3}$ quart of blue paint to make purple paint, how much paint would you have in all?

3. During one day of touring Paris, France, Sophie walked $3 \frac{2}{3}$ miles to the Louvre and $5 \frac{5}{6}$ miles to the Eiffel Tower. How many miles did she walk during her day of touring?

4. A sheet of plywood is $\frac{3}{4}$ inch thick. It is nailed to a board $1 \frac{5}{8}$ inches thick. What is the total thickness of the plywood and the board?
5. Pam is mixing $3\frac{1}{5}$ batches of paint. If one batch calls for $2\frac{3}{4}$ tablespoons of detergent to add to the tempera powder, how many tablespoons of detergent will Pam need?

6. Norton Novel bought $20\frac{5}{8}$ feet of wood to build a bookcase of 5 shelves. If each shelf requires the same amount of wood, and all of the wood is to be used, how long will each shelf be?

7. Fencing sells for $9 per yard. How much will $10\frac{2}{3}$ yards of fencing cost?

8. Crystal’s baby brother weighed $7\frac{1}{2}$ pounds at birth. After one month, her brother weighed $8\frac{4}{5}$ pounds. How much weight did the baby gain?

9. Suzy walked $4\frac{4}{5}$ miles in 3 days. She walked the same number of miles each day. How many miles did she walk each day?

10. Megan has a ribbon $3\frac{7}{12}$ feet long. How much will she cut off to make a ribbon $2\frac{2}{3}$ feet long?