1-12 Name	Date
Homework	
Solve. Explain why your answer is reasonable.	Show your work.
1. Zoe had a board $5\frac{1}{4}$ feet long. She cut off a piece. Now board is $3\frac{5}{6}$ feet long. How long was the piece she cut	v the off?
Answer:	
Why is the answer reasonable?	
2. A rectangle has a length of $10\frac{3}{16}$ inches and a width of $6\frac{7}{8}$ inches. What is the perimeter of the rectangle?	f
Answer:	
Why is the answer reasonable?	
3. Max is making trail mix. He combines $\frac{2}{5}$ pound of dried and $\frac{1}{3}$ pound of mixed nuts. He adds sunflower seeds t a total of 1 pound. What is the weight of the seeds?	l fruit o make
Answer:	
Why is the answer reasonable?	
4. At the start of party, a bowl contains 16 pints of punch Guests drink $10\frac{1}{4}$ pints. Then the host adds another $7\frac{1}{2}$ to the bowl. How much punch is in the bowl now? Answer:	n. pints
Why is the answer reasonable?	

Date

Remembering

1-12

Tell whether the answer is reasonable or unreasonable. Explain how you decided.

1. $\frac{8}{9} + \frac{1}{10} = \frac{39}{90}$	2. $5\frac{1}{6} - 4\frac{2}{7}$	$\frac{2}{7} = 2\frac{37}{42}$
3 $\frac{11}{7} - \frac{7}{7} = \frac{1}{1}$	4 $5^{5} + 1^{3}$	$\frac{3}{2} = 5\frac{1}{2}$
	6 ⁻ ⁻ ⁻ ⁻	12
Add or subtract.		
5 . $\frac{7}{8} + \frac{5}{8} =$	6. $\frac{4}{7} + \frac{2}{3} =$	
7. $\frac{7}{15} - \frac{3}{10} =$	8. $\frac{3}{4} - \frac{5}{12} =$	=
9. $5\frac{4}{5} - 2\frac{1}{3} =$	10. $7\frac{5}{6} + 2\frac{11}{12} =$	
Compare.		
11. $\frac{5}{8}$ \bigcirc $\frac{5}{9}$	12. $1\frac{7}{12} \bigcirc 1\frac{2}{3}$	13 . $\frac{5}{9}$ \bigcirc $\frac{3}{7}$
14. $\frac{1}{89}$ \bigcirc $\frac{1}{90}$	15. $\frac{5}{18}$ \bigcirc $\frac{2}{9}$	16 . $\frac{65}{66}$ \bigcirc $\frac{55}{56}$

Solve.

17. Stretch Your Thinking Find two mixed numbers such that when you estimate their sum by rounding to the nearest whole number you get a *different* estimate than when you round to the nearest half. Demonstrate that your numbers satisfy this condition.