Name

Date

1. Subtract.

a.
$$3\frac{1}{4} - 2\frac{1}{3} = \frac{1}{12}$$

$$+ (\frac{1}{12} - \frac{1}{12}) + \frac{1}{12}$$

$$= (\frac{1}{12} + \frac{1}{12}) + \frac{1}{12}$$

$$= (\frac{1}{12$$

b.
$$3\frac{2}{3} - 2\frac{3}{4} =$$

$$| + (\frac{9}{12} - \frac{9}{12}) = (\frac{12}{12} + \frac{9}{12}) - \frac{9}{12} = \frac{11}{12}$$

$$= \frac{20}{12} - \frac{9}{12} = \frac{11}{12}$$

d.
$$6\frac{3}{5} - 4\frac{3}{4} =$$
 $2 + (\frac{12}{120} - \frac{15}{20}) = (\frac{40}{20} + \frac{12}{20}) - \frac{15}{20}$
 $= \frac{52}{20} - \frac{15}{10} = \frac{37}{20} (\frac{26}{120} - \frac{11}{20})$
 $= \frac{52}{20} - \frac{15}{10} = \frac{37}{20} (\frac{26}{120} - \frac{11}{20})$
 $= \frac{1}{120} + \frac{1}{120$

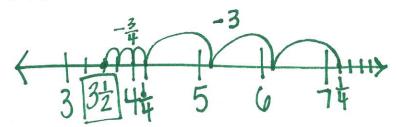
h.
$$17\frac{1}{5} - 2\frac{5}{8} =$$

$$15\frac{1}{5} - \frac{1}{5} = \frac{1}{5} + \frac{1}{40} - \frac{1}{40} = \frac{1}{40} + \frac{1}{40} - \frac{1}{40} = \frac{1}{40} + \frac{1}{40} = \frac{1}{40} = \frac{1}{40} + \frac{1}{40} = \frac{1}$$

2. Tony wrote the following:

$$7\frac{1}{4} - 3\frac{3}{4} = 4\frac{1}{4} - \frac{3}{4}$$

Is Tony's statement correct? Draw a number line to support your answer.



Ton y's statement is correct.

3. Ms. Sanger blended $8\frac{3}{4}$ gallons of iced tea with some lemonade for a picnic. If there were $13\frac{2}{5}$ gallons of the beverage, how many gallons of lemonade did she use?

drink 8 gal. ? | 3 gal.

She used 4½ gallons of lemonade in the drink.

4. A carpenter has $10\frac{1}{2}$ feet of wooden plank. He cuts off $4\frac{1}{4}$ feet to replace the slat of a deck and $3\frac{2}{3}$ feet to repair a bannister. He uses the rest of the plank to fix a stair. How many feet of wood does the carpenter use to fix the stair?

Wood | deck | 44f+ | = 73+

 $\frac{\text{deck}}{1+\frac{1}{4}+1} = \frac{10\pm -1}{1+\frac{1}{4}+1} = \frac{3\pm -1}{1+\frac{1}{4}+1} = \frac$

He used 272 feet of the plank to fix the



12: Subtract fractions greater than or equal to 1.