Name .....

MY Homework

Lesson 13
Subtract with Renaming

Homework Helper

eHelp

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Find $2 - 1\frac{1}{4}$.

Estimate $2 - 1 = 1$

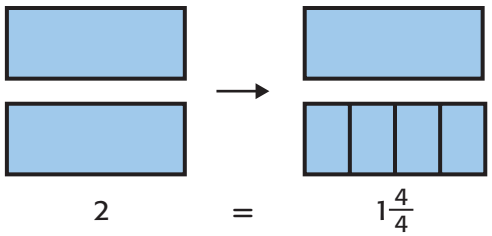
You cannot subtract $\frac{1}{4}$ from 0 fourths.

Rename 2 as $1\frac{4}{4}$ to show more fourths.

$$\begin{array}{rcl} 2 & \rightarrow & 1\frac{4}{4} \\ -\ 1\frac{1}{4} & \rightarrow & -\ 1\frac{1}{4} \\ \hline & & \frac{3}{4} \end{array}$$

Rename 2 as $1\frac{4}{4}$.

Subtract the wholes.
$1 - 1 = 0$
Subtract the fractions.
$\frac{4}{4} - \frac{1}{4} = \frac{3}{4}$



So, $2 - 1\frac{1}{4} = \frac{3}{4}$.

Check for Reasonableness $1 \approx \frac{3}{4}$

Practice

Estimate, then subtract. Write each difference in simplest form.

1. $\begin{array}{r} 2\frac{1}{8} \\ -\ 1\frac{7}{8} \\ \hline \end{array}$

2. $\begin{array}{r} 12\frac{1}{4} \\ -\ 5\frac{2}{3} \\ \hline \end{array}$

3. $8\frac{1}{6} - 3\frac{5}{6} =$ _____

Problem Solving

4. Mathematical PRACTICE 1 **Make a Plan** Sherman's backpack weighs $6\frac{1}{4}$ pounds. Brie's backpack weighs $5\frac{3}{4}$ pounds. How much heavier is Sherman's backpack than Brie's backpack?

My Work!

5. Mathematical PRACTICE 2 **Use Number Sense** Veronica jogged $10\frac{3}{16}$ miles in one week. The next week she jogged $8\frac{7}{16}$ miles. How many more miles did she jog the first week?

6. Mathematical PRACTICE 6 **Be Precise** Careta swam $7\frac{1}{8}$ miles. Joey swam $5\frac{5}{8}$ miles. How many more miles did Careta swim than Joey?

Test Practice

7. Ross has 6 yards of material. He bought $2\frac{1}{3}$ more yards. Then he used $6\frac{5}{6}$ yards. How many yards of material does he have left?

Ⓐ $1\frac{1}{2}$ yards

Ⓑ $3\frac{1}{6}$ yards

Ⓒ $3\frac{2}{3}$ yards

Ⓓ $8\frac{1}{3}$ yards