

1) Amelia needs to cut a piece of wood that is $12\frac{3}{4}$ " wide from a scrap piece that is 36" wide. How much of the piece will be left?

$$36 - 12\frac{3}{4}$$

$$35\frac{4}{4} - 12\frac{3}{4} =$$

$$35 - 12 = 23$$

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

$23\frac{1}{4}"$

2) I cut off $13\frac{5}{16}$ " off a 4 foot piece of molding. How much is left?

$$\begin{array}{r} 4\text{ft} + 12\text{in} \\ \hline 1\text{ft} \end{array} = 48"$$

$$48 - 13\frac{5}{16}$$

$$47\frac{16}{16} - 13\frac{5}{16} =$$

$34\frac{11}{16}"$

3) Ryan worked $16\frac{1}{2}$ hours, Jim worked $18\frac{3}{4}$ hours and Phil worked 17 hours. We budgeted 55 hours for this project, did we go over?

$$16\frac{1}{2} + 18\frac{3}{4} + 17$$

$$51 + 1\frac{1}{4} = 52\frac{1}{4} \text{ hours}$$

No, we did not go over

$$\begin{array}{r} 16 \\ 18 \\ + 17 \\ \hline 51 \end{array}$$

$$\frac{1}{2} + \frac{3}{4} = \frac{2}{4} + \frac{3}{4} = 1\frac{1}{4}$$

4) I have three pieces of baseboard, one measures $8\frac{3}{16}$ ", one measures $10\frac{3}{8}$ " and one measures $12\frac{1}{4}$ ". Will the three of these together be enough to cover a section of wall that is $2\frac{1}{2}$ feet long?

$$8\frac{3}{16} + 10\frac{3}{8} + 12\frac{1}{4}$$

$$8\frac{3}{16} + 10\frac{6}{16} + 12\frac{4}{16} =$$

$$8 + 10 + 12 = 30$$

$$\frac{3}{16} + \frac{6}{16} + \frac{4}{16} = \frac{13}{16}$$

$$30\frac{13}{16}"$$

NO

$$\begin{array}{r} 2.5\text{ft} + 12\text{inch} \\ \hline 1\text{ft} \end{array} = 30 \text{ inches.}$$