Name _____

Skills Practice 8: Adding Imperial Measures

Adding Inches

Adding feet and inches can be confusing.

Example:
Add 6 in. + 7 in.

Solution:
6 in. + 7 in. = 13 in.
= 12 in. + 1 in.
= 1 ft 1 in.

There are _____ inches in one foot.

Chapter 3

1. Fill in the blanks with the appropriate numbers.

a) 9 in. + 5 in. = _____ in.
= _____ in. + _____ in.
= _____ ft _____ in.

b) 10 in. + 7 in. = _____ in.
= _____ in. + _____ in.
= _____ ft _____ in.

c) 10 in. + 11 in. = _____ in.
= _____ ft _____ in.

d) 11 in. + 8 in. = _____ in.
= _____ ft _____ in.

e) 8 in. + 5 in. + 10 in. = _____ in.
= _____ ft _____ in.

f) 11 in. + 8 in. + 5 in. = _____ in.
= _____ ft _____ in.

g) 9 in. + 10 in. + 7 in. = _____ in.
= _____ ft _____ in.

h) 11 in. + 9 in. + 12 in. = _____ in.
= _____ ft _____ in.

There are _____ inches in 2 feet.
There are _____ inches in 3 feet.

Name _____

Adding Fractions (of an Inch)

- One way to add fractions is to draw them.

Example 1

What is $\frac{3}{4} + \frac{1}{2}$?

Solution

Step 1: Draw a $\frac{3}{4}''$ line. ⊢——————⊣

Step 2: Draw a $\frac{1}{2}''$ line starting at the end of the first line. ⊢——————⊣——————⊣

Step 3: Measure the total length of the line. ⊢——————⊣——————⊣ $1\frac{1}{4}''$

2. Use a ruler to add the following fractions.

a) $1\frac{1}{2} + \frac{3}{4}$ **b)** $\frac{1}{4} + 2\frac{1}{2}$ **c)** $3\frac{3}{4} + 1\frac{1}{2}$

- You can also add fractions by relating them to something you already know, such as money.

Example 2

What is $\frac{3}{4} + \frac{1}{2}$?

Solution

Step 1: Draw $\frac{3}{4}$ of a dollar using quarters. 

Step 2: Draw $\frac{1}{2}$ of a dollar using quarters. 

Step 3: Add. Five quarters is 4 quarters ($1) plus one quarter, or $1\frac{1}{4}$.

3. Draw quarters to add the following fractions.

a) $1\frac{1}{4} + 2\frac{1}{2}$ **b)** $1\frac{1}{2} + \frac{3}{4}$ **c)** $3\frac{1}{2} + 2\frac{1}{4}$