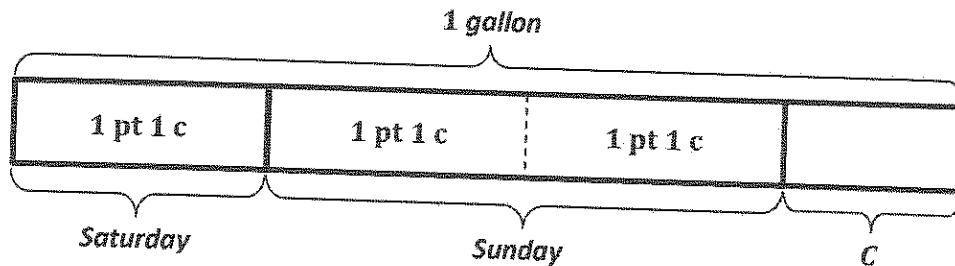


G4-M7-Lesson 10

1. On Saturday, Andrew used 1 pint 1 cup of paint from a full gallon container to paint the porch steps. On Sunday, he used twice as much paint from the container as he did on Saturday. How much paint was left in the container after Sunday?



$$1 \text{ pt } 1 \text{ c} + 1 \text{ pt } 1 \text{ c} + 1 \text{ pt } 1 \text{ c} = 3 \text{ pt } 3 \text{ c} = 4 \text{ pt } 1 \text{ c}$$

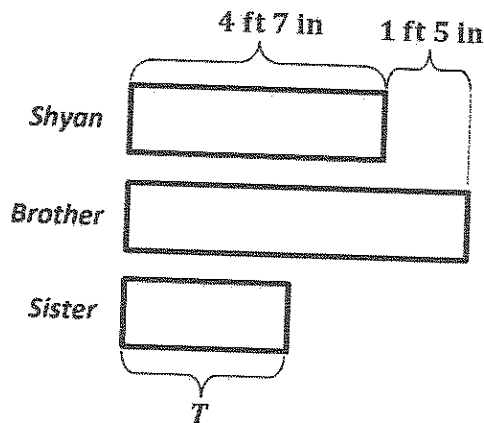
To find the total paint used, I solve for 3 units of 1 pint 1 cup.

I rename 1 gallon as 8 pints. I rename 8 pints as 7 pints 2 cups. I subtract the total amount of paint used.

$$C = 8 \text{ pt} - 4 \text{ pt } 1 \text{ c} = 3 \text{ pt } 1 \text{ c}$$

There were 3 pints 1 cup of paint left in the container after Sunday.

2. Shyan is 4 feet 7 inches tall. Her brother is 1 foot 5 inches taller than she is, and her sister is half as tall as her brother. How tall is Shyan's sister?



Brother: $4 \text{ ft } 7 \text{ in} + 1 \text{ ft } 5 \text{ in} = 5 \text{ ft } 12 \text{ in} = 6 \text{ ft}$

$T = 6 \text{ ft} \div 2 = 3 \text{ ft}$

Shyan's sister is 3 feet tall.

The tape diagram helps me to see the relationship between Shyan's height, her brother's height, and her sister's height. I find her brother's height, and then I divide by 2.