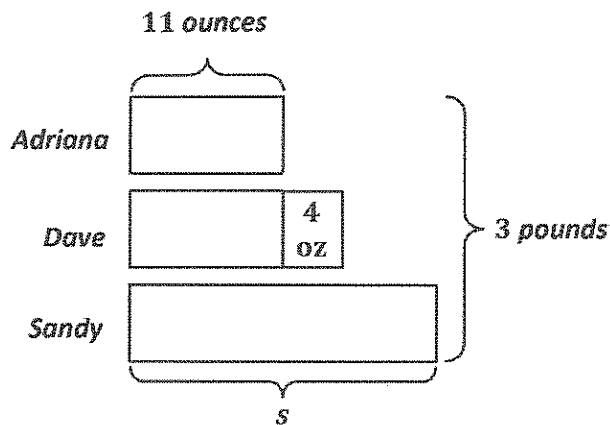


## G4-M7-Lesson 5

Draw a tape diagram to solve the following problem.

1. Sandy bought a 3-pound bag of flour. Adriana used 11 ounces of that flour to make cookies. Dave used 4 ounces more of that flour than Adriana to make banana bread. How many ounces of flour were left in Sandy's bag?



I can draw tape diagrams to represent the amount of flour Adriana and Dave used and the amount of flour Sandy still has.

$$11 \text{ ounces} + 11 \text{ ounces} + 4 \text{ ounces} = 26 \text{ ounces}$$

$$3 \text{ pounds} = 3 \times 16 \text{ ounces} = 48 \text{ ounces}$$

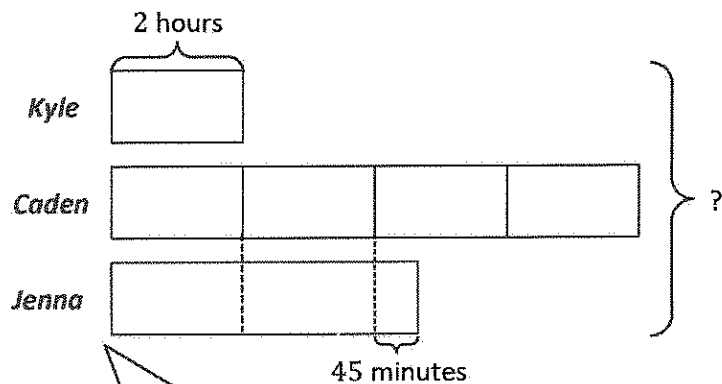
$$s = 48 \text{ ounces} - 26 \text{ ounces}$$

$$s = 22 \text{ ounces}$$

Sandy has 22 ounces of flour left.

After I find the amount of flour Dave and Adriana used, which is 2 units of 11 ounces plus 4 more ounces, I convert 3 pounds to ounces and subtract.

2. Create a problem of your own using the diagram below, and solve for the unknown.



I see 3 things that are being compared in the tape diagrams, and the units are hours and minutes. I can write a word problem about amount of time spent reading because that will make sense with hours and minutes.

I label the tape diagram with the information from the word problem.

*Kyle read for 2 hours last week. Caden read four times as long as Kyle read last week. Jenna read 45 minutes more than half the time that Caden read. What is the total number of minutes they read last week?*

$$7 \times 2 \text{ hours} = 14 \text{ hours}$$

$$14 \text{ hours } 45 \text{ minutes} = (14 \times 60 \text{ minutes}) + 45 \text{ minutes} = 840 \text{ minutes} + 45 \text{ minutes} = 885 \text{ minutes}$$

*Kyle, Caden, and Jenna read for a total of 885 minutes last week.*

The tape diagrams show 7 units of 2 hours plus 45 minutes, which is equal to 14 hours 45 minutes. I multiply  $14 \times 60$  to convert the hours to minutes. Then, I add 45 minutes to find the total number of minutes, 885 minutes.