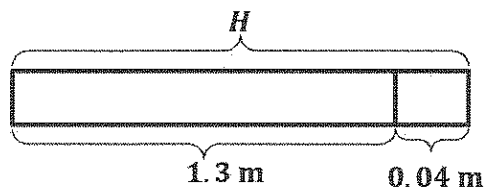


## G4-M6-Lesson 14

1. At the beginning of 2014, Jordan's height was 1.3 meters. If Jordan grew a total of 0.04 meter in 2014, what was his height at the end of the year?

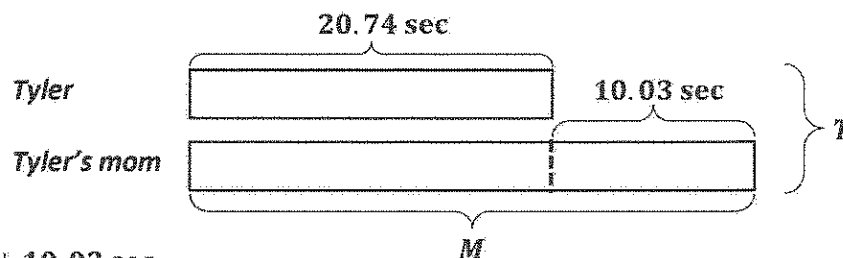


$$\begin{aligned}
 H &= 1.3 \text{ m} + 0.04 \text{ m} \\
 &= 1 \frac{30}{100} \text{ m} + \frac{4}{100} \text{ m} \\
 &= 1 \frac{34}{100} \text{ m} \\
 &= 1.34 \text{ m}
 \end{aligned}$$

Jordan's height at the end of the year was 1.34 meters.

The tape diagram helps me to see that I need to add to solve for  $H$ , Jordan's height at the end of the year. I write the decimal numbers in fraction form using like units and then solve.

2. Tyler finished the math problem in 20.74 seconds. He beat his mom's time by 10.03 seconds. What was their combined time?



$$\begin{aligned}
 T &= 20.74 \text{ sec} + 20.74 \text{ sec} + 10.03 \text{ sec} \\
 &= 20 \frac{74}{100} \text{ sec} + 20 \frac{74}{100} \text{ sec} + 10 \frac{3}{100} \text{ sec} \\
 &= 50 \frac{151}{100} \text{ sec} \\
 &= 1 \text{ sec} \quad \wedge \quad \frac{51}{100} \text{ sec} \\
 &= 51 \frac{51}{100} \text{ sec}
 \end{aligned}$$

$$T = 51.51 \text{ sec}$$

Their combined time was 51.51 seconds.