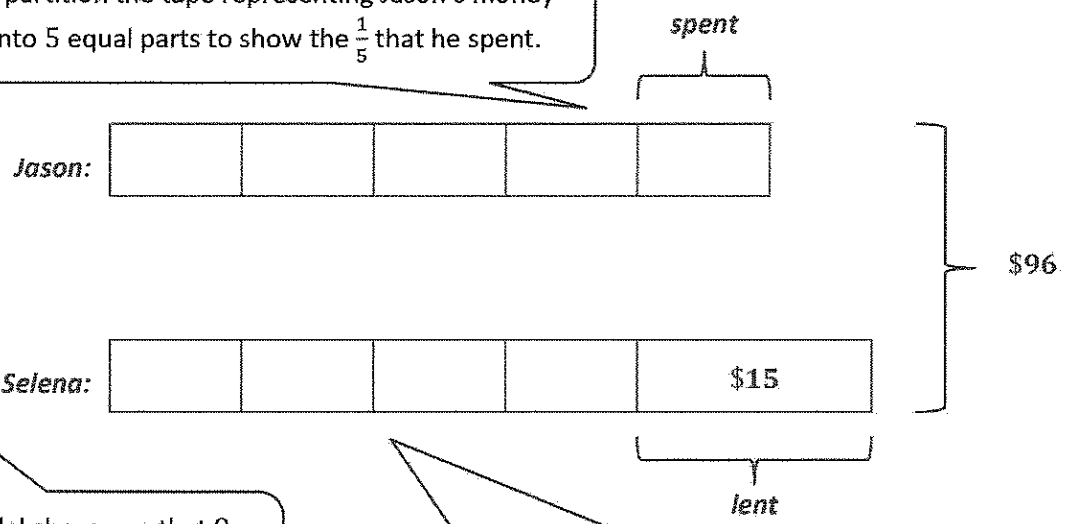
G5-M6-Lesson 25

Jason and Selena had \$96 altogether at first. After Jason spent $\frac{1}{5}$ of his money and Selena lent \$15 of her money, they had the same amount of money left. How much money did each of them have at first?

This is important. *After* Jason spends and Selena lends, *then* they have the same amount left. I need to make sure that my model shows this.

I partition the tape representing Jason's money into 5 equal parts to show the $\frac{1}{5}$ that he spent.



My model shows me that 9 units, plus the \$15 that Selena lent, is equal to \$96.

To show that Selena and Jason have the same amount of money left, I partition the tape representing Selena's money the same way that I did Jason's.

$9\ units + \$15 = \$96$

$9\ units = \$81$

$1\ unit = \$81 \div 9 = \$9$

Now that I know the value of 1 unit, I can find out how much money they each had at first.

Jason:

$1\ unit = \$9$

$5\ units = 5 \times \$9 = \$45$

Jason had \$45 at first.

Selena:

$1\ unit = \$9$

$4\ units = 4 \times \$9 = \$36$

$\$36 + \$15 = \$51$

Selena had \$51 at first.