G3-M3-Lesson 3
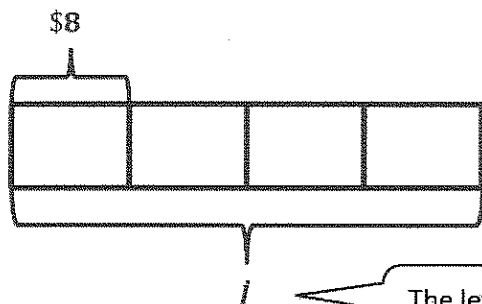
1. Each equation contains a letter representing the unknown. Find the value of the unknown.

$9 \div 3 = c$	$c = \underline{\ 3\ }$
$4 \times a = 20$	$a = \underline{\ 5\ }$

> I can think of this problem as division, $20 \div 4$, to find the unknown factor.

2. Brian buys 4 journals at the store for $8 each. What is the total amount Brian spends on 4 journals? Use the letter j to represent the total amount Brian spends, and then solve the problem.

$8

> I can draw a tape diagram to help me solve this problem. From the diagram, I can see that I know the number of groups, 4, and the size of each group, $8, but I don't know the whole.

j

> The letter j helps me label the unknown, which represents how much money Brian spends on 4 journals.

$4 \times \$8 = j$

$j = \$32$

Brian spends $32 on 4 journals.

> The only thing different about using a letter to solve is that I use the letter to label the unknowns in the tape diagram and in the equation. Other than that, it doesn't change the way I solve. I found the value of j is $32.