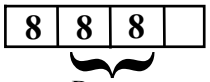
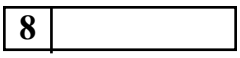
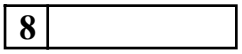
MathFLIX CHALLENGE

Mathematical Modeling: Solving 2-step Problems Using Singapore Bars

Study the information provided below to complete the table.

Situation	Question	Model	Algebra	Solution
The art club painted 8 meters of a 25 meter wall in the first hour. In the second hour, they painted twice that much.	How much of the wall still needs to be painted?	 25	$1x = 8$ $+2x = 16$ $3x = 24$ 25 - 24	
The science club painted 8 meters of a 35 meter wall in the first hour. In the second hour, they painted twice that much.	How much of the wall still needs to be painted?	 35	$1x = 8$ $+2x = 16$ $3x = 24$ 35 - 24	
The math club painted 8 meters of a 40 meter wall in the first hour. In the second hour, they painted three times that much.	How much of the wall still needs to be painted?	 40	$1x = 8$ $+3x = 24$ $4x = 32$	
The French club painted 4.2 meters of a 40 meter wall in the first hour. In the second hour, they painted three times that much.	How much of the wall still needs to be painted?			
The baseball team painted 4.32 meters of a 40 meter wall in the first hour. In the second hour, they painted four times that much.	How much of the wall still needs to be painted?			
The baselball team mowed 1/3 of their field in the first hour. In the second hour, they mowed twice that much.	How much of the field still needs to be mowed?			
The soccer team mowed 25% of the field in the first hour. In the second hour, they mowed three times that much.	How much of the field still needs to be mowed?			
The prom committee addressed 20 of the 100 invitations on Monday. On Tuesday, they addressed three times that many.	How many invitations still need to be addressed?			