4. A. Look at the function table below. Nicholas is trying to write the rule to find the distance in centimeters when he knows the distance in meters. Complete the table.

Input   Output

Distance in Meters	Distance in Centimeters
1	100
2	
	500
10	1000
100	
1000	

centimeters = meters × 100

centimeters = meters ÷ 100

centimeters = meters ÷ 10

Nicholas

B. Which rule do you agree with? Explain.

5. Nicholas rolled three cars down a ramp. Look at the measurements he recorded for each car. Which car rolled the farthest? Show or tell how you know.

Trial	Distance Car Traveled
Car 1	2 meters and 140 centimeters
Car 2	3.8 meters
Car 3	315 centimeters