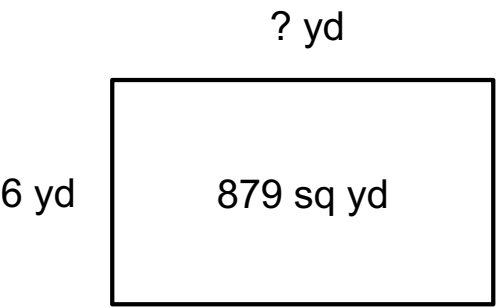
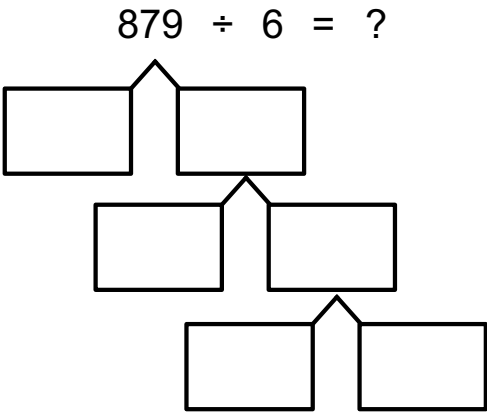


A rectangular playground is 879 square yards. The length of the short side is 6 yards. To find the length of the long side, Tim uses the partial quotients algorithm and shows his work below.



1 4 6		
6	8 7 9	
	-6 0 0	100
	2 7 9	
	-2 4 0	40
	3 9	
	-3 6	6
	3	
	-3	R3
	0	146 R3

a. Fill in the number bonds to show how Tim is breaking 879 apart.



b. Explain why the long side is longer than 146 yards.