MathFLIX CHALLENGE

Bicycles & Tricycles

The word problems below may look tricky, but they are based on a pattern. Once we understand the pattern, we'll be able to solve the problems below, as well as many problems just like them.

Complete this table for the number of wheels on the bicycles and tricycles in the store. Use it to answer the questions below.

Number of Bicycles / Number of Tricycles	1	2	3	4	5
NUMBER OF BICYCLE WHEELS	2	4	6	8	10
NUMBER OF TRICYCLE WHEELS	3	6	9	12	15
1	5	8	11	14	17
2	7	10	13	___	19
3	9	12	___	___	___
4	11	___	___	___	___
5	___	___	___	___	___

	# of bicycle wheels	# of tricycle wheels
Store A has a total of 15 wheels. How many bicycle and tricycle wheels are in the store?	_____	_____
Store B has a total of 10 wheels. How many bicycle and tricycle wheels are in the store?	_____	_____
Store C has a total of 20 wheels. How many bicycle and tricycle wheels are in the store?	_____	_____
Store D has a total of 25 wheels. How many bicycle and tricycle wheels are in the store?	_____	_____
Store E has a total of 9 wheels. How many bicycle and tricycle wheels are in the store?	_____	_____
Store F has a total of 18 wheels. How many bicycle and tricycle wheels are in the store?	_____	_____
*Store G has a total of 16 wheels. How many bicycle and tricycle wheels are in the store?	_____	_____
*Store H has a total of 19 wheels. How many bicycle and tricycle wheels are in the store?	_____	_____

*These questions have two possible answers.