

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

Store A has a total of 15 wheels.

How many bicycle and tricycle wheels are in the store?

of bicycles

of tricycles

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.