

Which Wheels Where?

ACTIVITY

David and Francie go to their local skatepark, which caters for cyclists (2 wheels), skateboarders (4 wheels), and in-line skaters (8 wheels).

1. There are 4 people already using the skatepark. Each type of wheels is being used by at least one person.
 - a. How many wheels could there be?
 - b. David and Francie join in with the other 4 people. Francie notices that the number of in-line skate wheels is now the same as the total number of one of the other types of wheels. How many wheels of each type might there be?
 - c. David's and Francie's wheels are not the same type. How many wheels are there?



2. After lunch, David and Francie return to the skatepark and count 6 people and 38 wheels. How many cyclists, skateboarders, and in-line skaters are there?