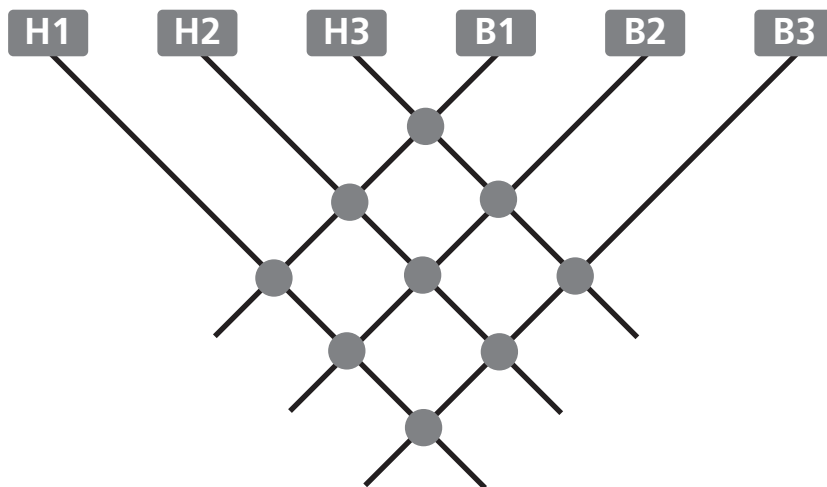


# Pairing Objects

**How many handshakes would there be?**

1 A group of three hikers met a group of three bicyclists.



How many people were there? \_\_\_\_\_

If each hiker shook hands with each bicyclist, how many handshakes would there be? \_\_\_\_\_

2 Now imagine that 2 hikers met 4 bicyclists.

How many people were there? \_\_\_\_\_

Draw a diagram to show all of the handshakes if each hiker shook hands with each bicyclist.

How many handshakes were there? \_\_\_\_\_

3 What other number of handshakes could occur for 6 total hikers and bicyclists? \_\_\_\_\_