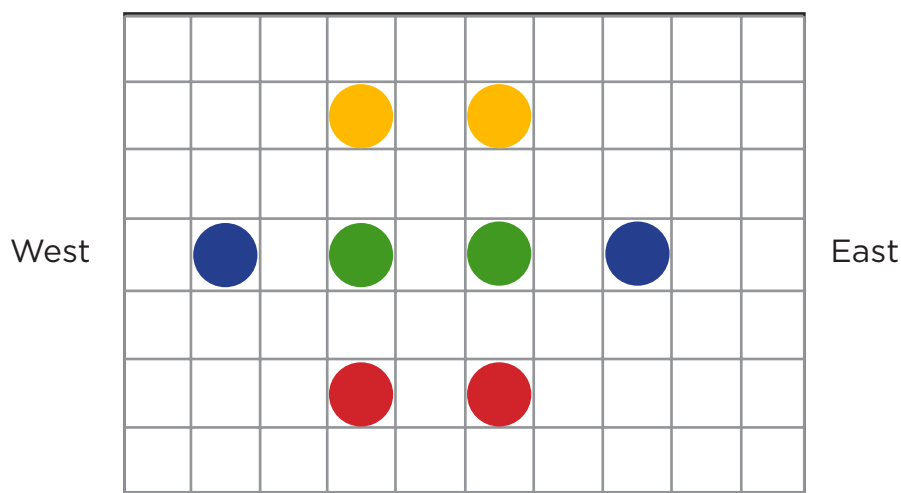# Drone delivery

Design a network diagram for the delivery of the **maximum number** of packages between the **WEST CBD** and **EAST CBD** warehouse.

Due to flight regulations this network has a maximum capacity. The colour of the paddle pop sticks indicates the capacity for the flight path.
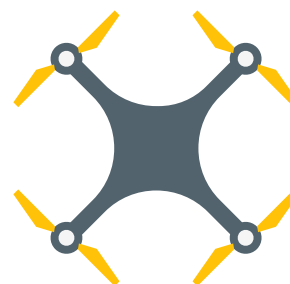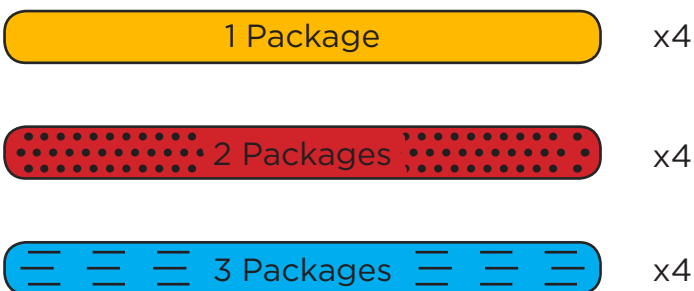
Student instructions

1. Arrange 8 tokens onto graph paper to represent building rooftops.

Each counter should be 1 sick in distance from the nearest.

West   East

2. Connect the rooftops, using sticks to represent the flight path.

Each flight path can accomodate a different number of drones at once indicated by colour.

1 Package	x4
2 Packages	x4
3 Packages	x4

3. Each drone can deliver one package every 5 minutes.

How many packages can be transferred every hour from the western most building to the eastern most?

4. Change the position of the sticks to try and improve the number.

CSIRO

Drone delivery

Activity grid

West   East

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