

# Land: Road Maps

Road maps may show larger areas than street maps. Like street maps, road maps have grid coordinates. Road maps also have **keys**. The key shows little pictures called **symbols** (SIM-buhls). Each symbol stands for something on the map.



## Truck Drivers

Truck drivers use road maps to plan their trips. They use a map's scale to work out distances. A map's scale is written as a **ratio**. A ratio is a comparison of 2 numbers. So on a map, the scale may be 1:20. This means that 1 inch equals 20 miles of distance.

▼ Truck drivers can travel hundreds of miles to deliver their goods.



◀ Road maps show main highways and roads. They show cities and towns.

# Land: GPS

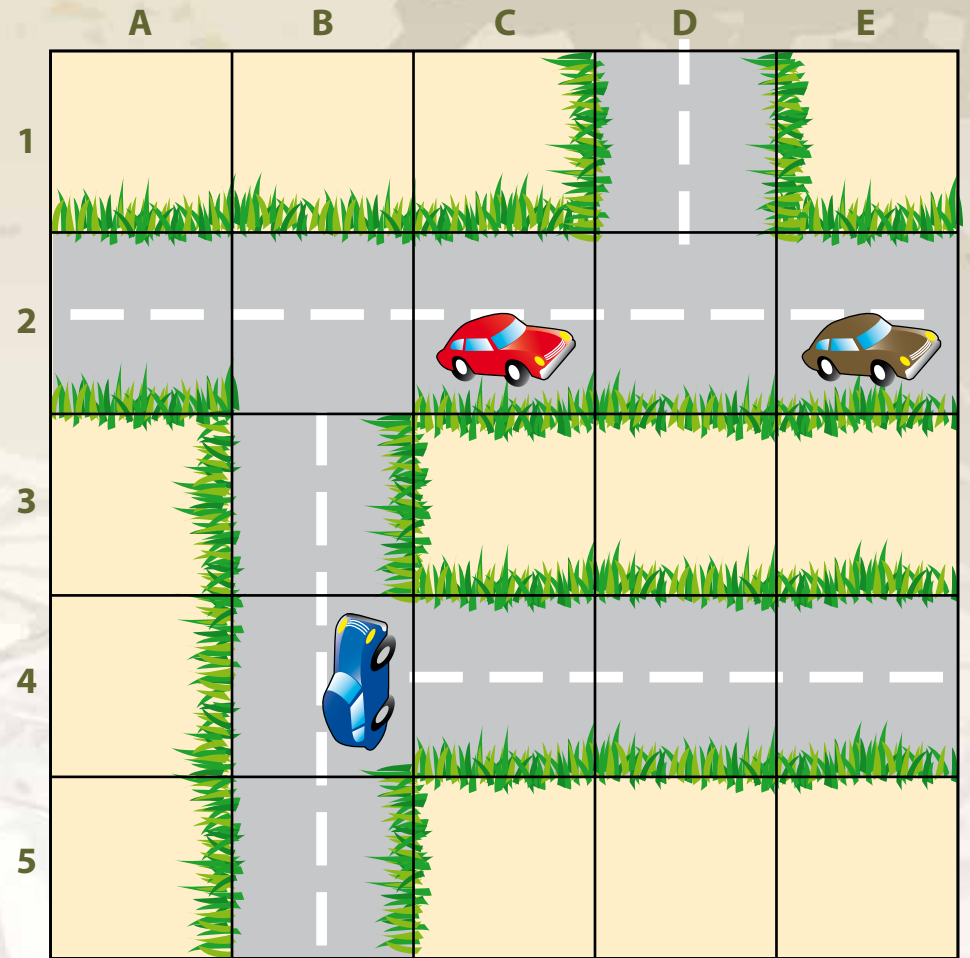
Some people use a global positioning system (GPS) in their trucks or cars. A GPS uses satellites that orbit Earth. The satellites send signals to GPS receivers. A GPS can show **location** (lo-KAY-shuhn), speed, and direction.

A GPS shows street maps. The street maps show the route to a location. They also show the direction the car is going. As the car moves, the map changes to show its new location.

▼ A GPS being used in a car



A GPS satellite in space



## LET'S EXPLORE MATH

Look at the street grid above. What color car is at:

- a. C2                      b. B4                      c. E2

Now draw the grid above. Draw cars at these coordinates:

- d. D4                      e. A2