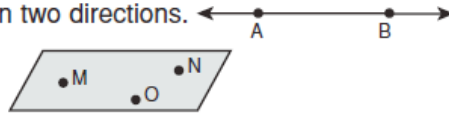


LESSON
1-1 **Reading Strategies**
Identify Relationships

In geometry, many figures can be broken down into three basic building blocks: points, lines, and planes.

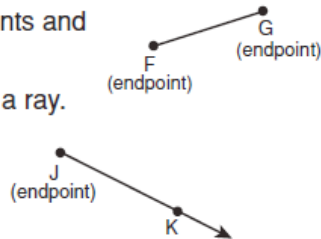
Consider the following:

- A **point** names a location and has no size. • *P*
- A **line** is a straight path that extends forever in two directions.
- A **plane** is a flat surface that extends forever.



Use that information to think about the following definitions:

- A **segment** is part of a line and consists of two points and all the points in between.
- An **endpoint** is a point at the end of a segment or a ray.
- A **ray** is a part of a line that starts at an endpoint and extends forever in one direction.



Answer each question.

1. How are a line and a line segment the same?

2. How are a line and a line segment different?

3. How are a line segment and a ray the same?

4. How are a line segment and a ray different?

Identify the following.

5. • *Y*







