c	Which of these most nearly represents a flat surface? ___a. a mountain peak ___b. a baseball ___c. a pond on a calm day
plane	In mathematics, a plane is a flat surface which extends indefinitely. We will use this page to represent part of a pl_____ .
plane	But we must remember that a sheet of paper is not a perfect representation of a _____ane.
paper	The sheet of _____ has a certain thickness and it has edges.
plane	In mathematics, a _____ has no thickness and no edges.
b	Which one of these most nearly represents part of a plane? ___a. the surface of a hill ___b. the surface of a window pane ___c. the surface of a stormy sea ___d. the surface of a rocky field ___e. the surface of a football ___f. the surface of a tin can
no	In mathematics, a plane is perfectly flat. Does it have thickness? ___'
no	Does it have edges? _____

point location	In mathematics, an exact, fixed location is called a point. Such a p_____ has no length, width, or thickness. It is only an exact l_____.
dot point	We mark a point with a dot, and we speak of dots as points. But we must remember that a d_____ is not a point. The dot just represents a _____.
points	 These two dots represent two different _____.
5	 How many points do these dots represent? ____
B	We will use capital letters to name points.  These are points A and ____.
no	Does a mathematical point have length? _____
no	Does it have width? _____
location	A point marks a fixed lo_____.
capital	Points are named with _____ letters.

points

These dots represent two _____ labeled C and D.

D

We now show a straight path connecting the points C and _____ .

Such a straight path is called a line segment.

line

The points C and D are called the endpoints of the _____ segment.

---

points

A straight path connecting two _____ is called a line segment.

segment

This line _____ connects the points Y and Z.

Z

The points Y and _____ are the endpoints of the line segment.

To name a line segment, we use the names of its endpoints.

line

This is _____ segment OP.

segment

If we wished, we could also call it line _____ PO.

The endpoints of this line segment are labeled K and _____.

L

To name the line segment, we use the names of its _____.

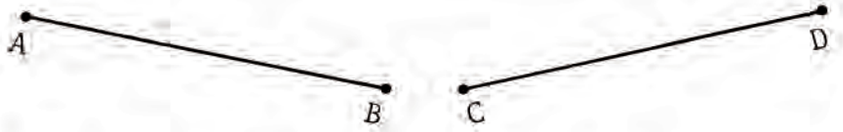
endpoints

This is line _____ KL.

segment

Could we also call it line segment LK? _____

yes



The drawings represent two _____ segments.

line

One line segment contains the endpoints A and _____.

B

The other line segment contains the _____ C and D.

endpoints

The names of the line segments are AB and _____.

CD(or DC)

The drawings represent _____ line segments.

3

Every _____ _____ contains two endpoints.

line segment

We use the names of its _____ to name a line segment.

endpoints

The names of the line segments are EG, JK, and _____.

LN(or NL)