

The Secret of Drawing An Object from Zero Dimension to Two Dimension (Geometry Ho...

Lesson 026 | Geometry | Points, dimensions, and segments

<https://www.youtube.com/watch?v=UloYNCU6N4I>

Original practice aligned to the saved video title.

Name: _____ Date: _____ Show your reasoning.

01

6 distinct points lie on a line. How many segments have endpoints among them? Explain how points, segments, and a plane differ in dimension.

02

4 distinct points lie on a line. How many segments have endpoints among them? Explain how points, segments, and a plane differ in dimension.

03

5 distinct points lie on a line. How many segments have endpoints among them? Explain how points, segments, and a plane differ in dimension.

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04

7 distinct points lie on a line. How many segments have endpoints among them? Explain how points, segments, and a plane differ in dimension.

05

9 distinct points lie on a line. How many segments have endpoints among them? Explain how points, segments, and a plane differ in dimension.

06

8 distinct points lie on a line. How many segments have endpoints among them? Explain how points, segments, and a plane differ in dimension.

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01

6 distinct points lie on a line. How many segments have endpoints among them? Explain how points, segments, and a plane differ in dimension.

Each unordered pair determines a segment: $C(6,2)=15$. A point has dimension 0; a segment is one-dimensional; a plane is two-dimensional.

02

4 distinct points lie on a line. How many segments have endpoints among them? Explain how points, segments, and a plane differ in dimension.

Each unordered pair determines a segment: $C(4,2)=6$. A point has dimension 0; a segment is one-dimensional; a plane is two-dimensional.

03

5 distinct points lie on a line. How many segments have endpoints among them? Explain how points, segments, and a plane differ in dimension.

Each unordered pair determines a segment: $C(5,2)=10$. A point has dimension 0; a segment is one-dimensional; a plane is two-dimensional.

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04

7 distinct points lie on a line. How many segments have endpoints among them? Explain how points, segments, and a plane differ in dimension.

Each unordered pair determines a segment: $C(7,2)=21$. A point has dimension 0; a segment is one-dimensional; a plane is two-dimensional.

05

9 distinct points lie on a line. How many segments have endpoints among them? Explain how points, segments, and a plane differ in dimension.

Each unordered pair determines a segment: $C(9,2)=36$. A point has dimension 0; a segment is one-dimensional; a plane is two-dimensional.

06

8 distinct points lie on a line. How many segments have endpoints among them? Explain how points, segments, and a plane differ in dimension.

Each unordered pair determines a segment: $C(8,2)=28$. A point has dimension 0; a segment is one-dimensional; a plane is two-dimensional.