

# Dimension

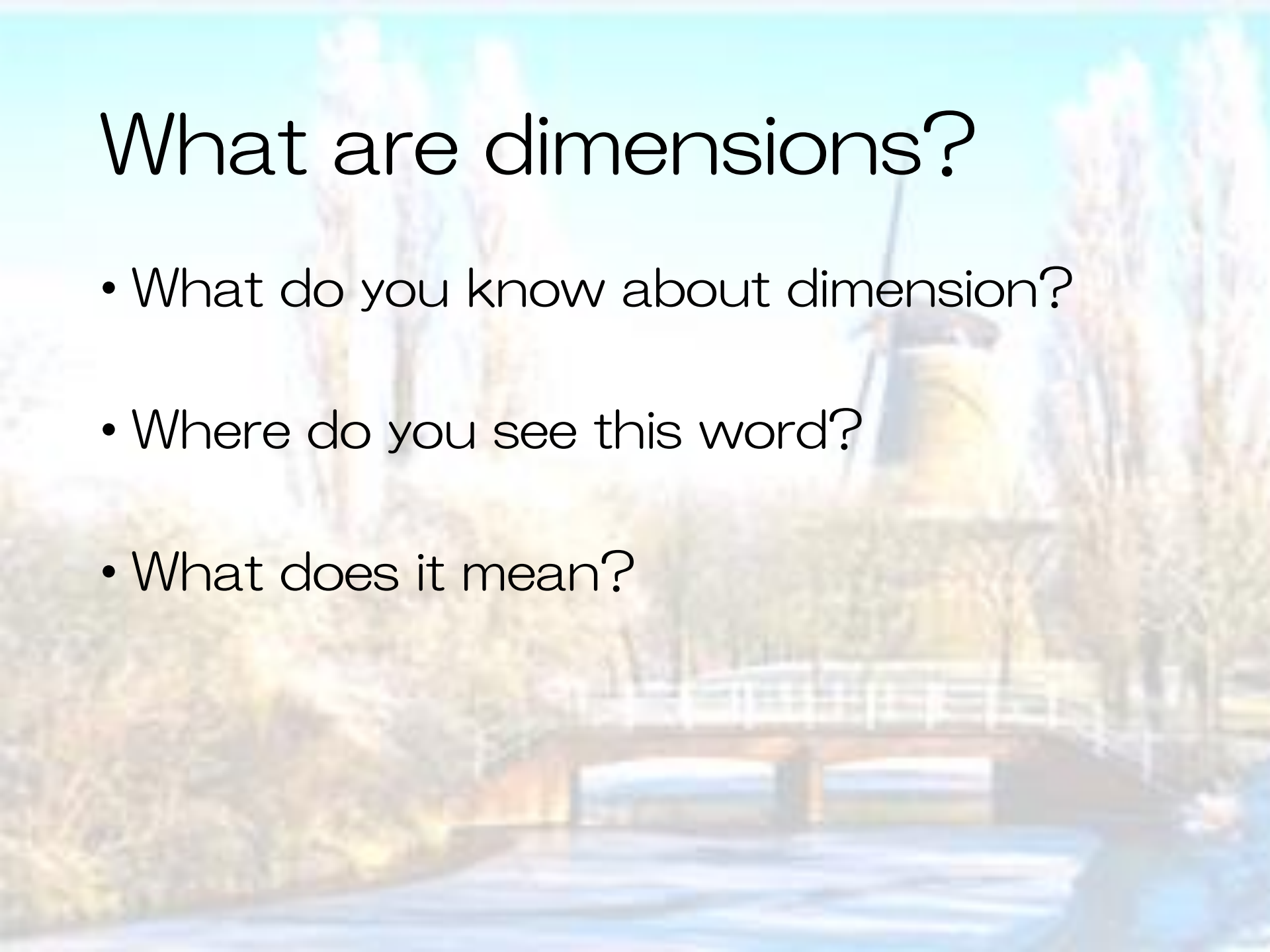
The background image is a soft-focus photograph of a traditional Dutch windmill. The windmill is positioned on a wooden bridge that spans a canal. The scene is framed by trees, some of which are bare, suggesting a cooler season. The overall color palette is dominated by light blues, greens, and browns, with a bright, clear sky. The word "Dimension" is overlaid in the center in a large, black, sans-serif font.

# Dimension

- Distinguish between different dimensions.
- Identify how many dimensions an object has.
- Language Objectives:
  - Write about the number of dimensions a circle has.
  - Use appropriate language to identify a geometric object.

# What are dimensions?

- What do you know about dimension?
- Where do you see this word?
- What does it mean?



# Dimension

- The number of perpendicular directions you can go in.



# Practice

- The surface of your desk
- The sun
- Your hand
- A movie screen
- A circle



# Circles

- Contrary to popular belief, a circle only has ONE DIMENSION.
- Definition: Circle is only the outside. If you include the inside, you have a disk.



# Writing Exercise

- In your binder, write about why a circle only actually has one dimension.
- Be sure to discuss the definition of a circle.

# Dimension

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# Vocabulary

- Point
- Line
- Plane
- Ray
- Segment



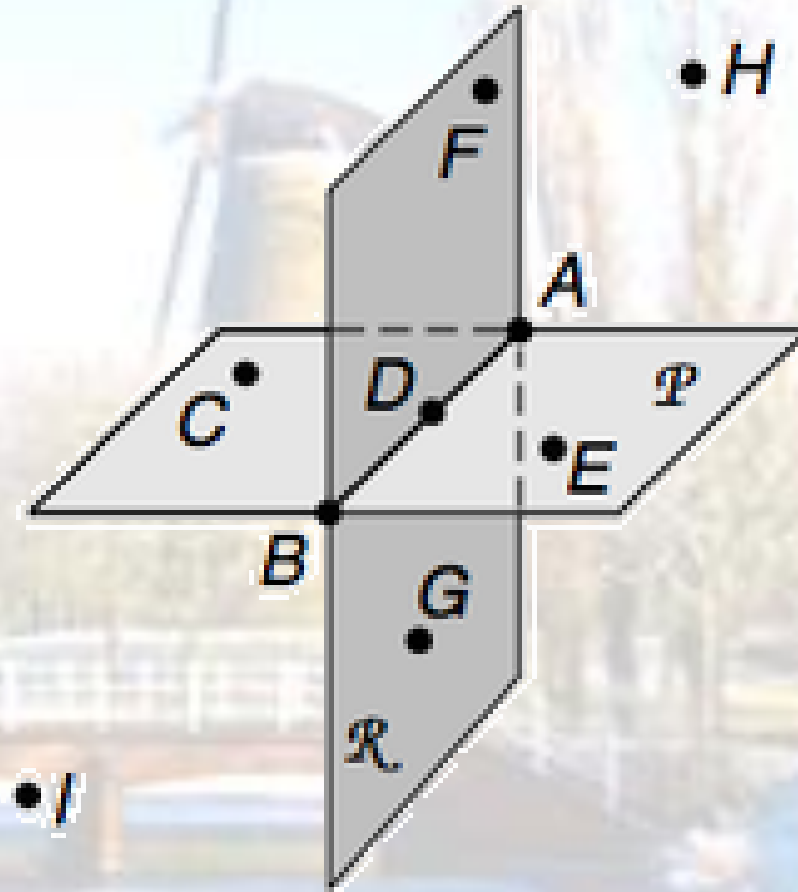
# Naming Them

- Point
- Line
- Plane
- Ray
- Segment



# Practice with Naming

- Point
- Line
- Plane
- Ray
- Segment
- Three points on the same line
- Four points on the same plane



# Practice with Naming

- Point
- Three points on the same line
- Four points on the same plane
- Plane
- Segment
- Ray
- Line

