



ISOMETRIC DRAWINGS

Drawing Principles

Developed by: PC Viljoen
Senior Educational Specialist for
Engineering Graphics and Design
Free State Province

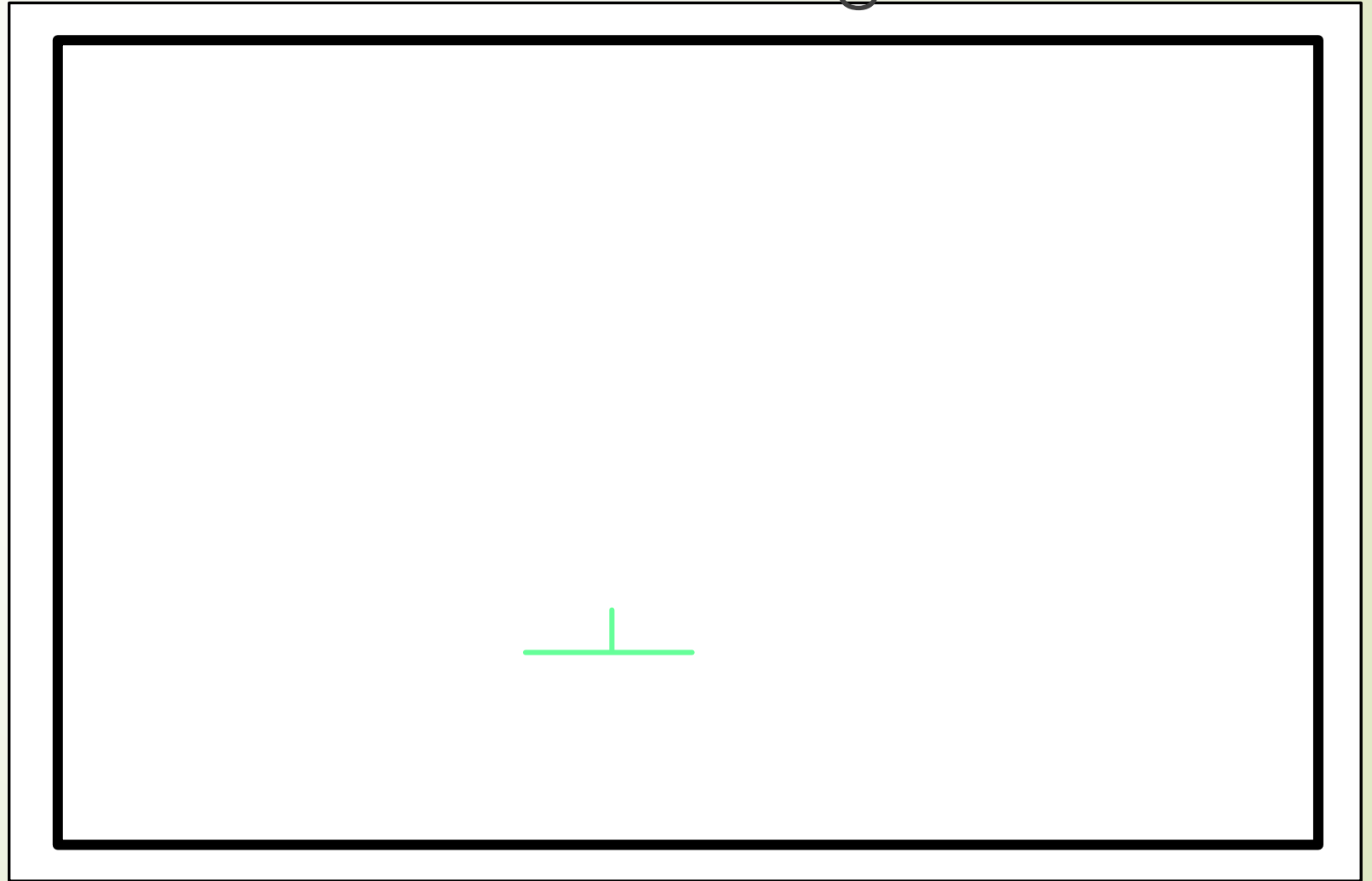
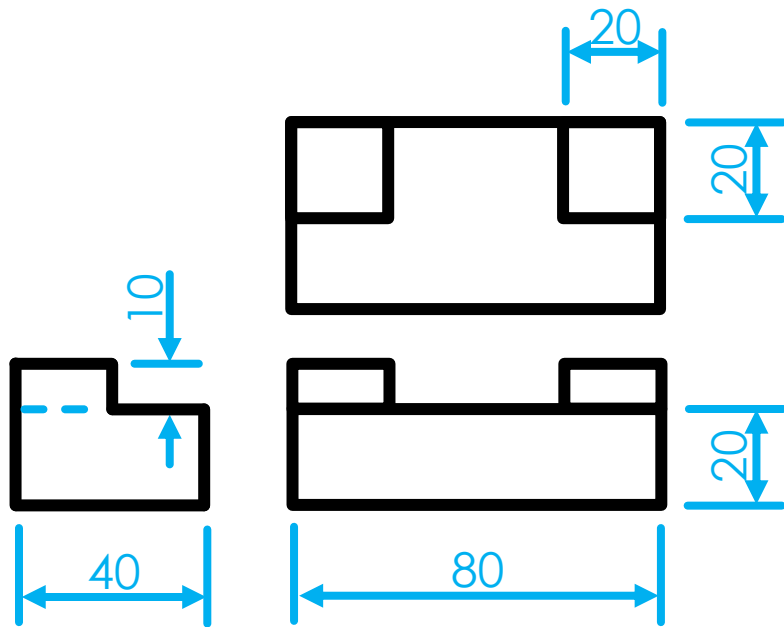


education

Department of
Education
FREE STATE PROVINCE

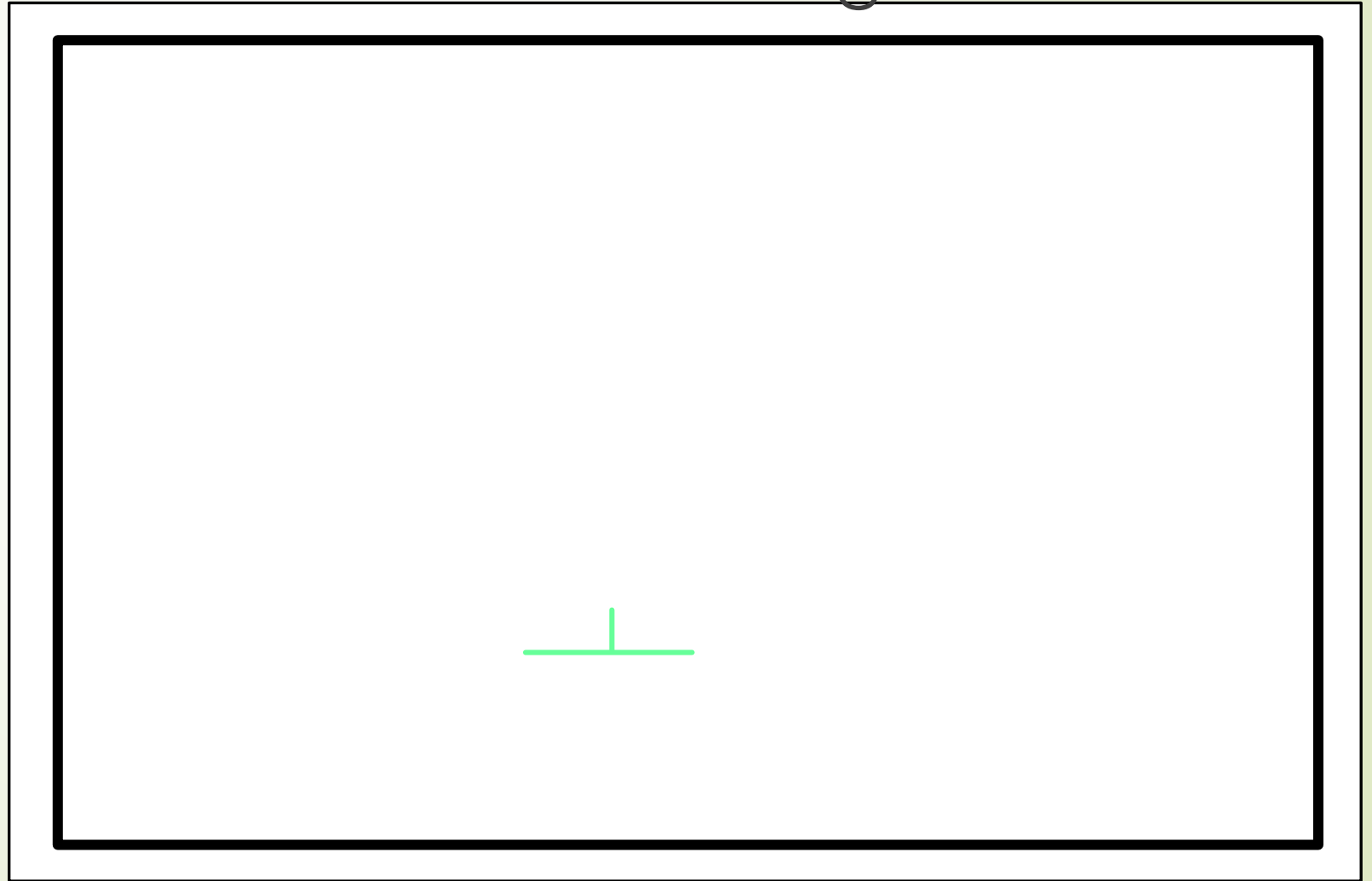
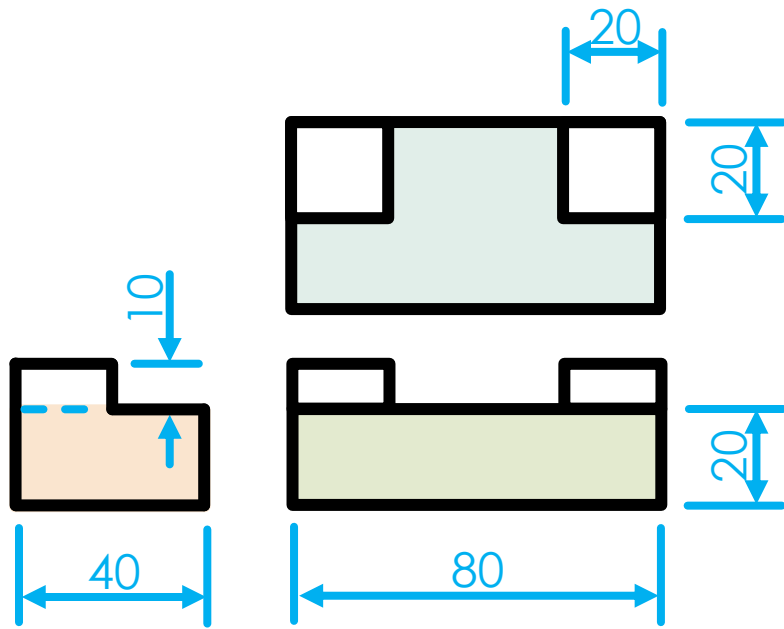
ISOMETRIC DRAWINGS

- **Question:** Use the given orthographic views and convert it into an isometric drawing.



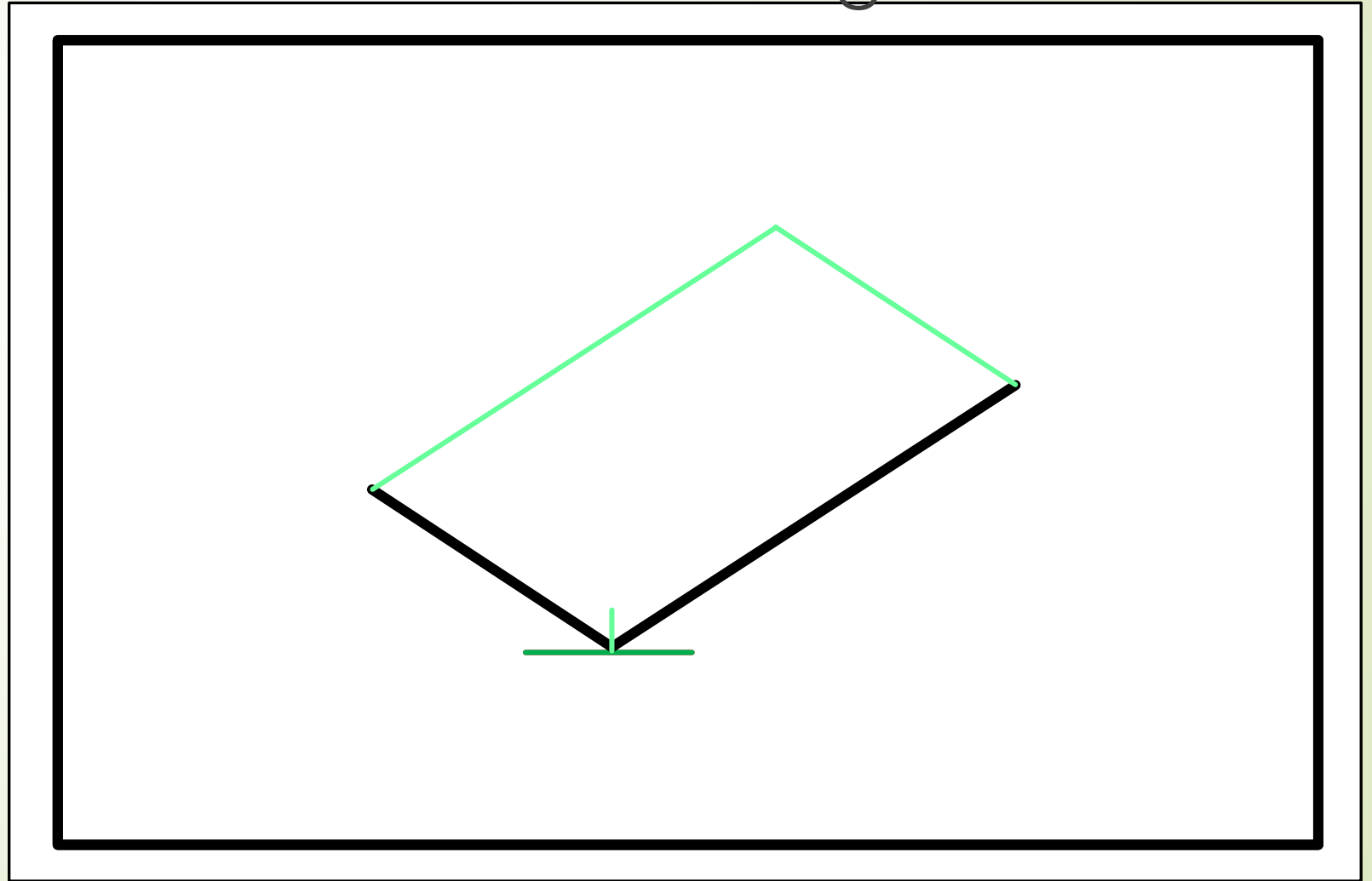
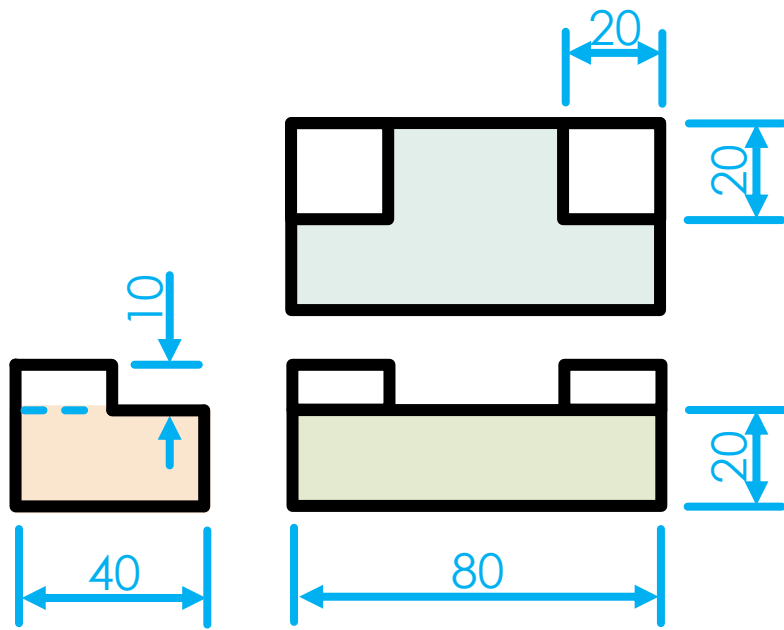
ISOMETRIC DRAWINGS

- **Question:** Use the given orthographic views and convert it into an isometric drawing.



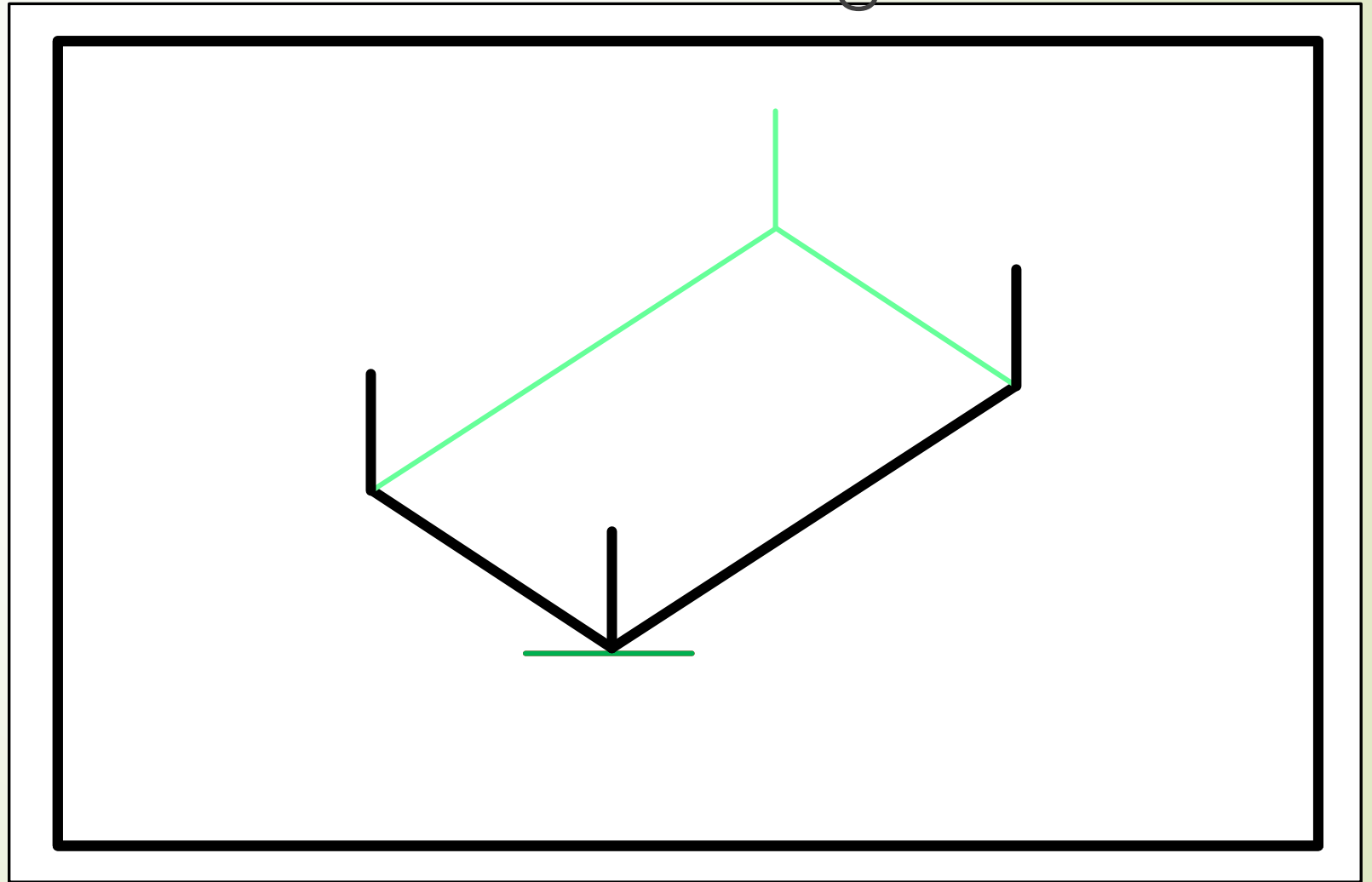
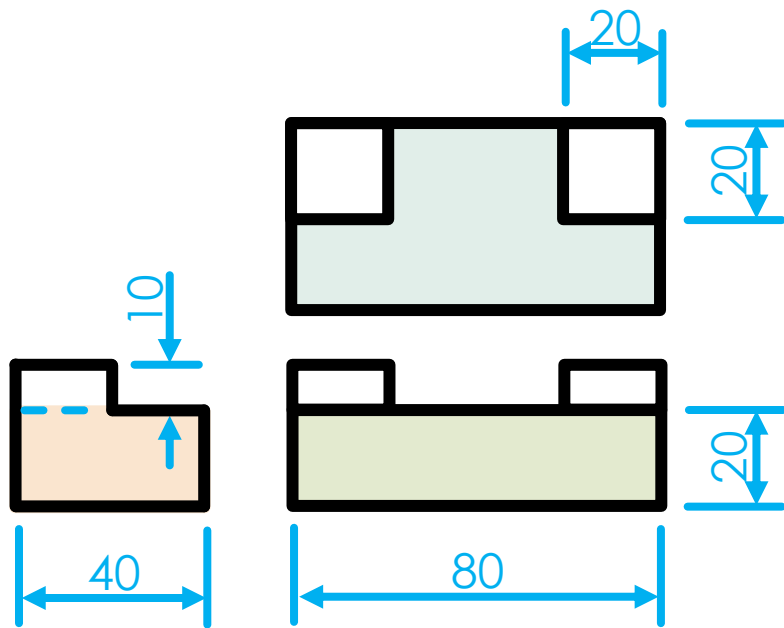
ISOMETRIC DRAWINGS

- **Question:** Use the given orthographic views and convert it into an isometric drawing.



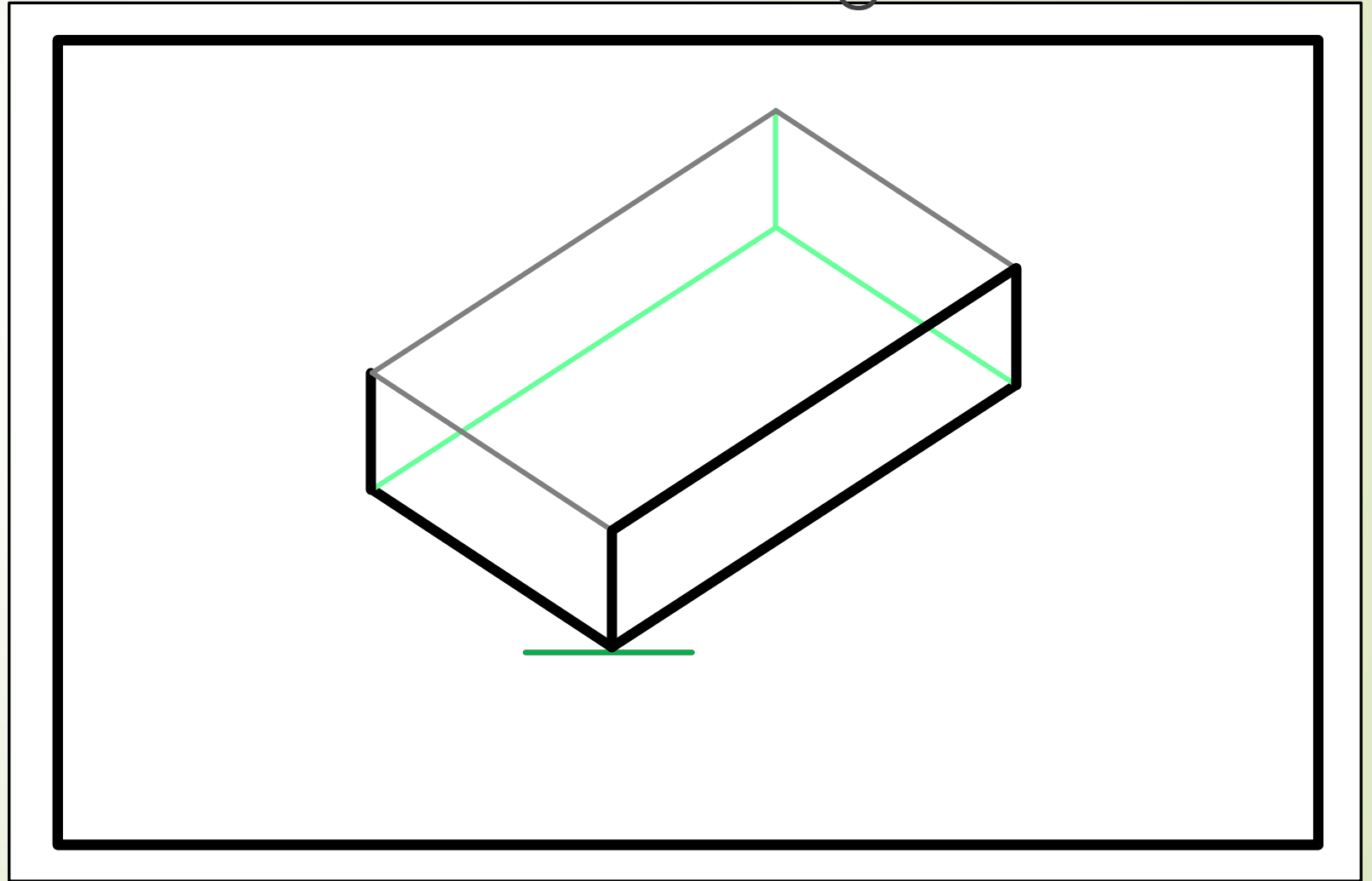
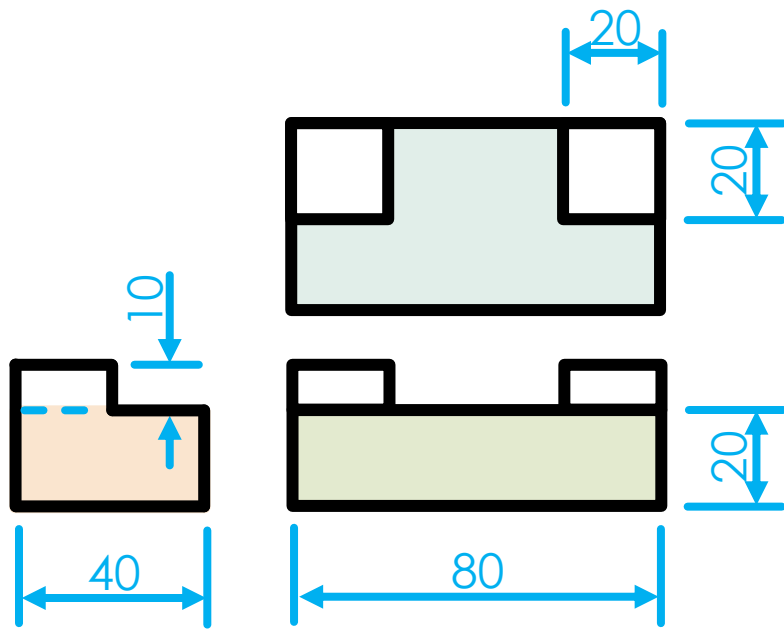
ISOMETRIC DRAWINGS

- **Question:** Use the given orthographic views and convert it into an isometric drawing.



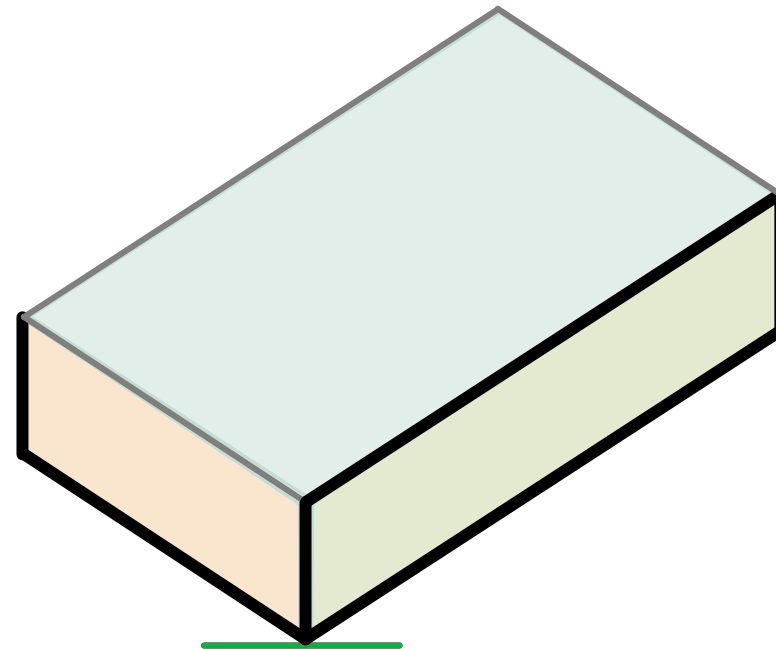
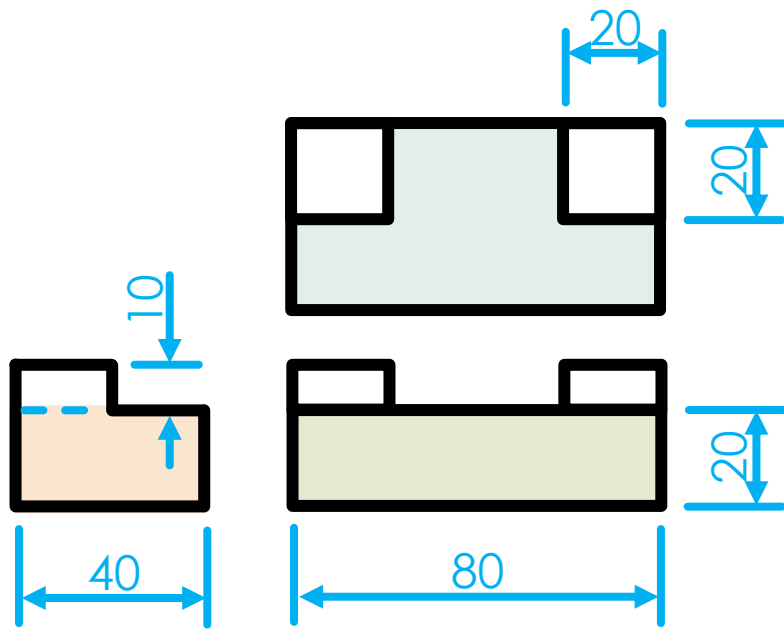
ISOMETRIC DRAWINGS

- **Question:** Use the given orthographic views and convert it into an isometric drawing.



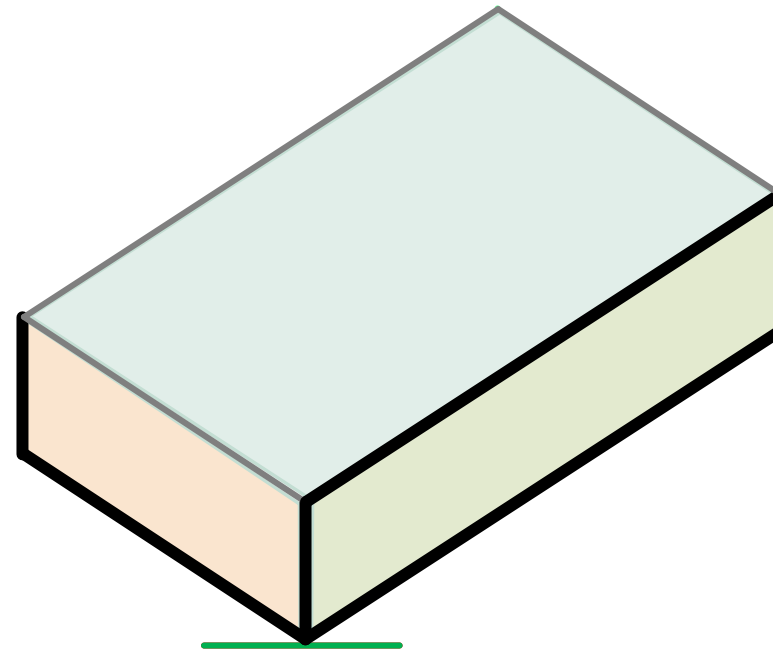
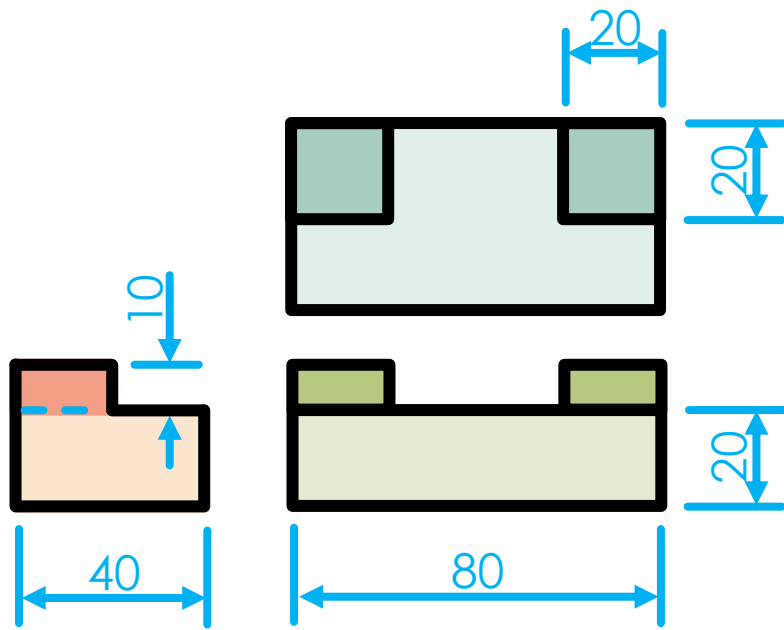
ISOMETRIC DRAWINGS

- **Question:** Use the given orthographic views and convert it into an isometric drawing.



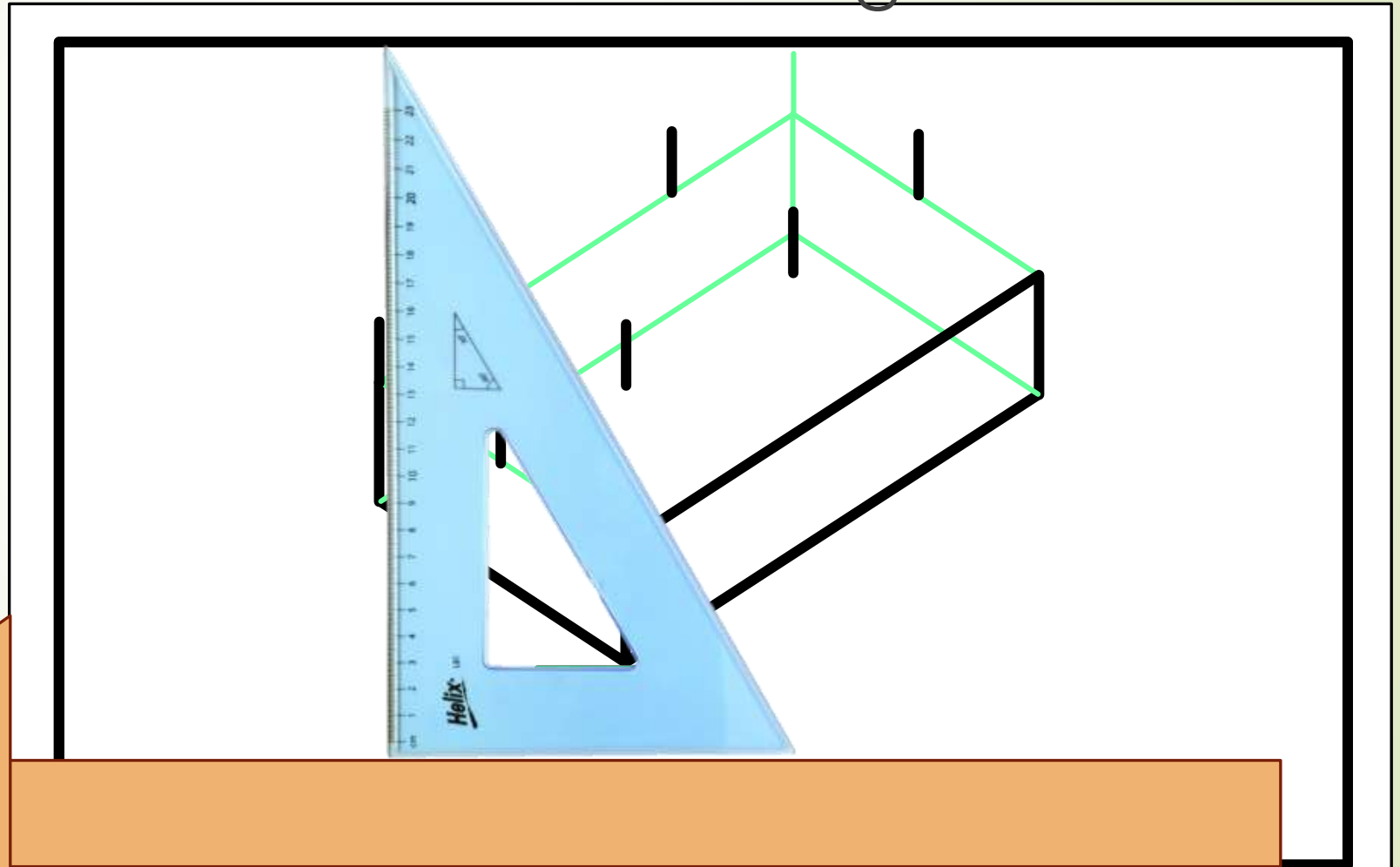
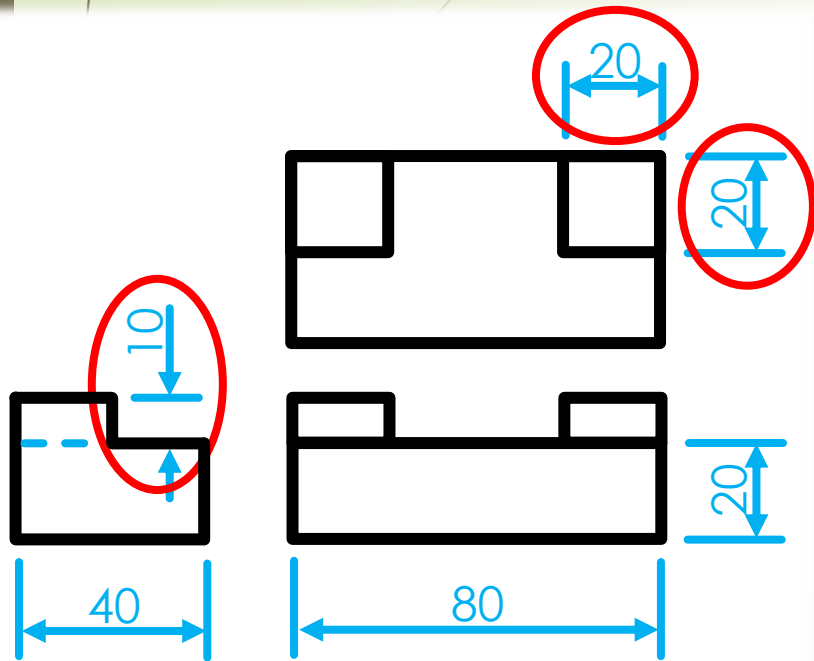
ISOMETRIC DRAWINGS

- **Question:** Use the given orthographic views and convert it into an isometric drawing.



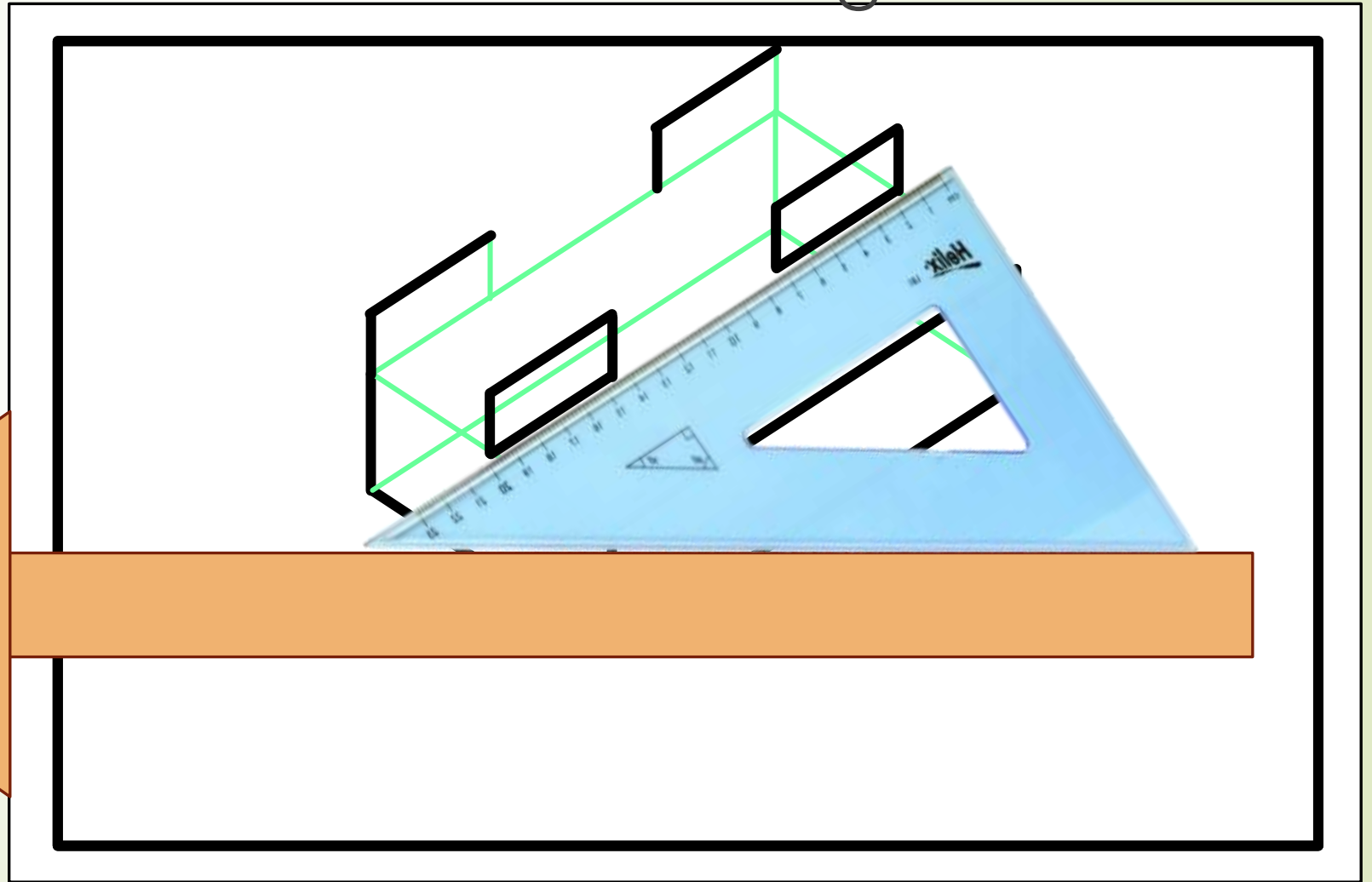
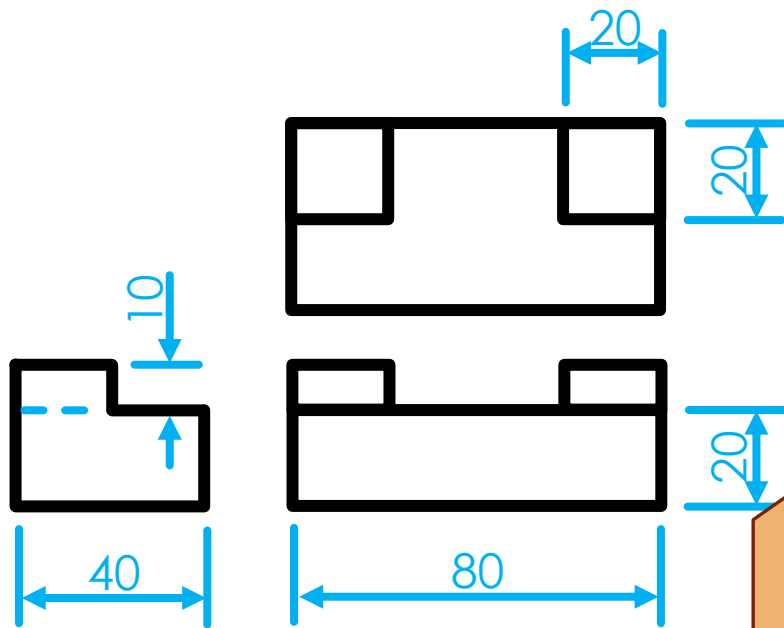
ISOMETRIC DRAWINGS

- **Question:** Use the given orthographic views and convert it into an isometric drawing.



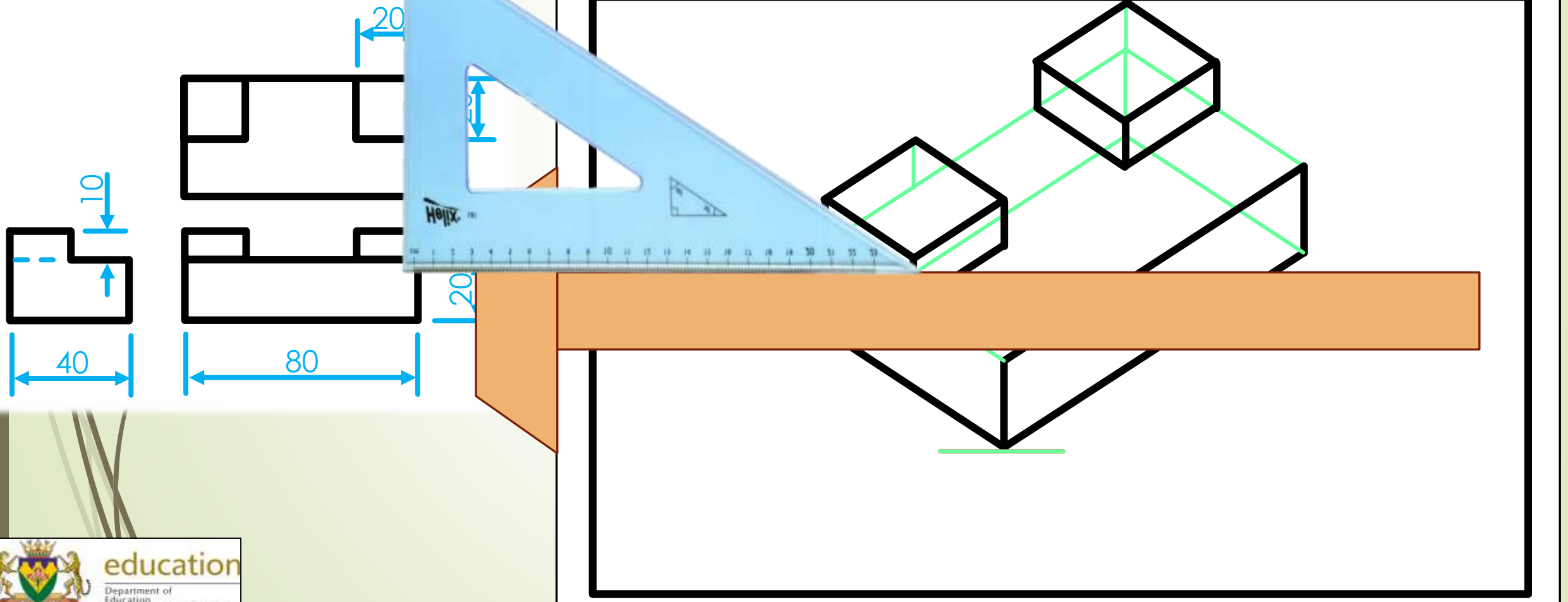
ISOMETRIC DRAWINGS

- **Question:** Use the given orthographic views and convert it into an isometric drawing.



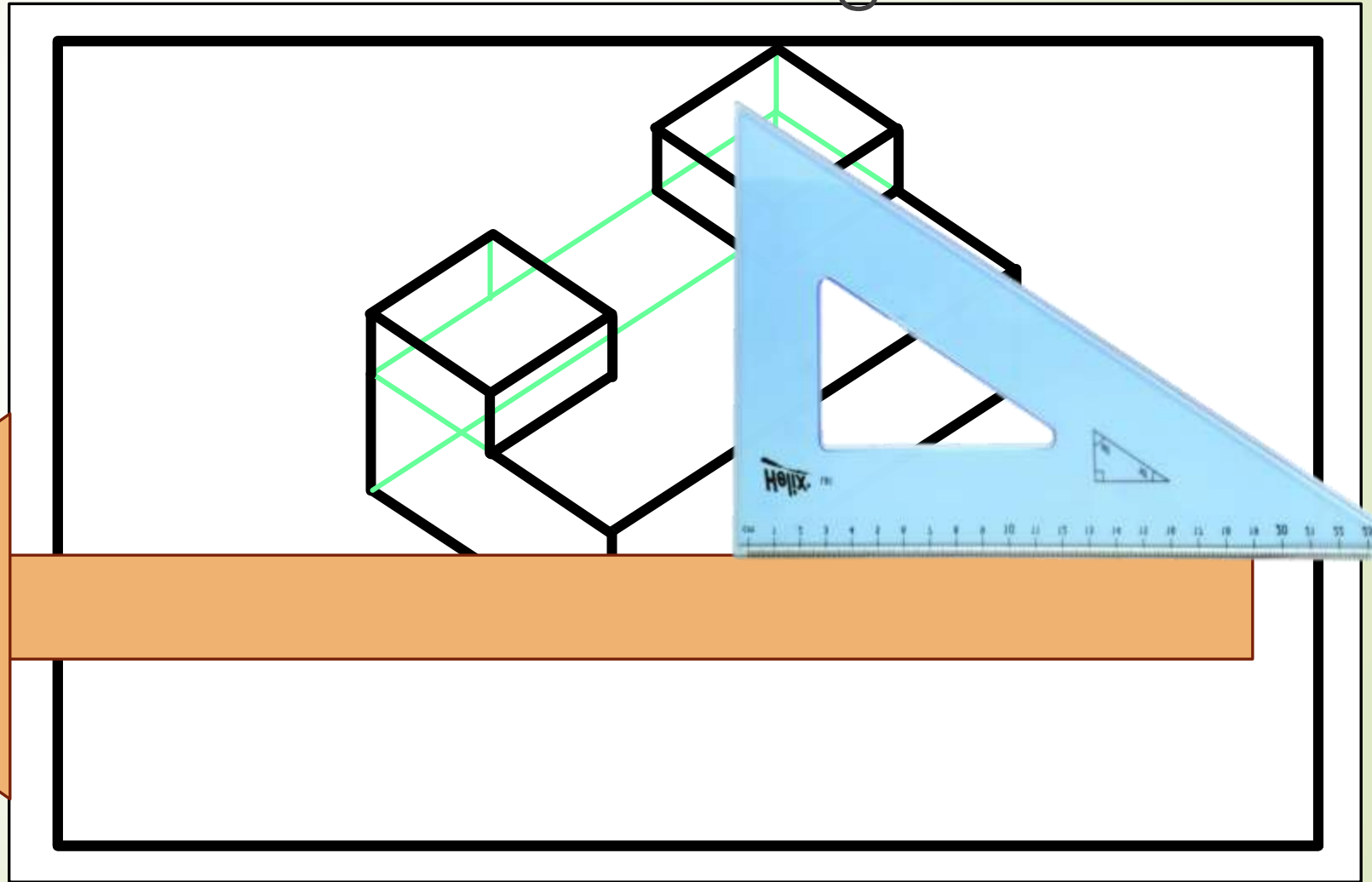
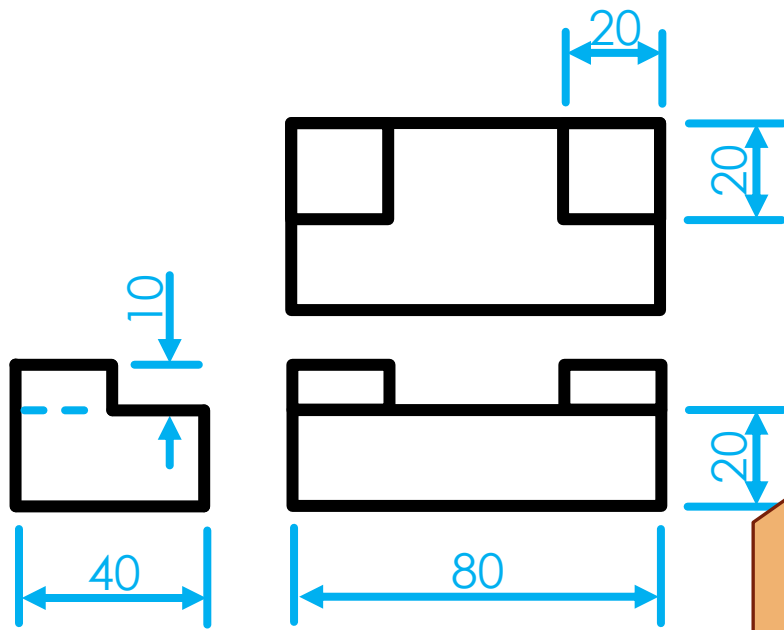
ISOMETRIC DRAWINGS

- **Question:** Use the given orthographic views and convert it into an isometric drawing.



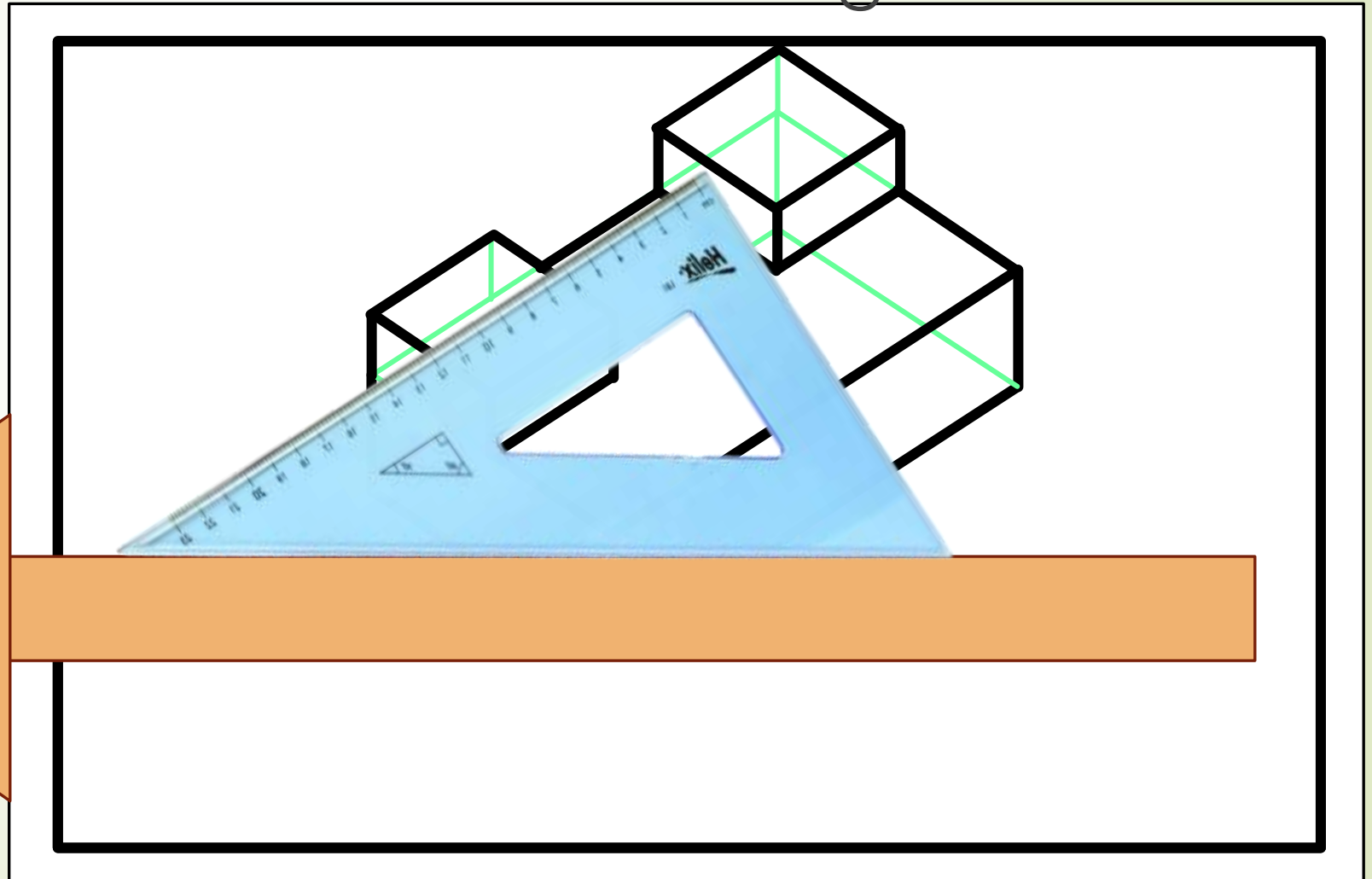
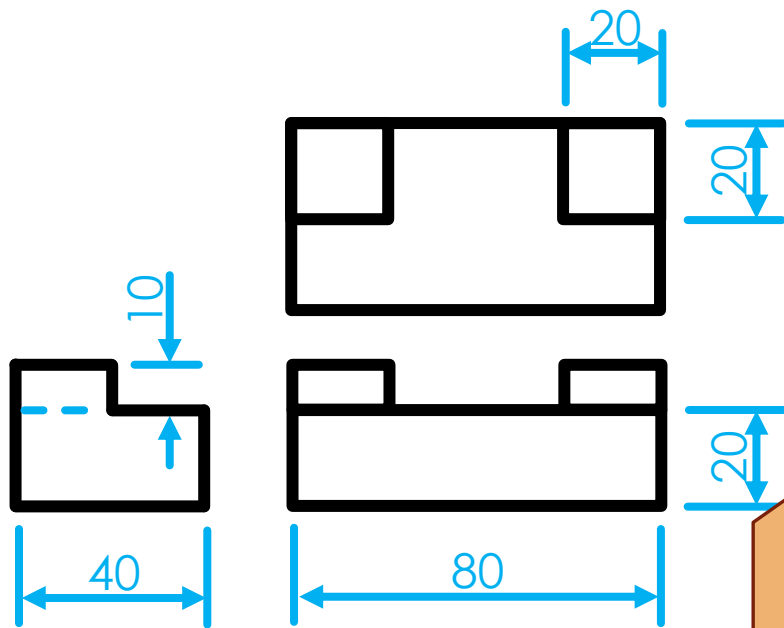
ISOMETRIC DRAWINGS

- **Question:** Use the given orthographic views and convert it into an isometric drawing.



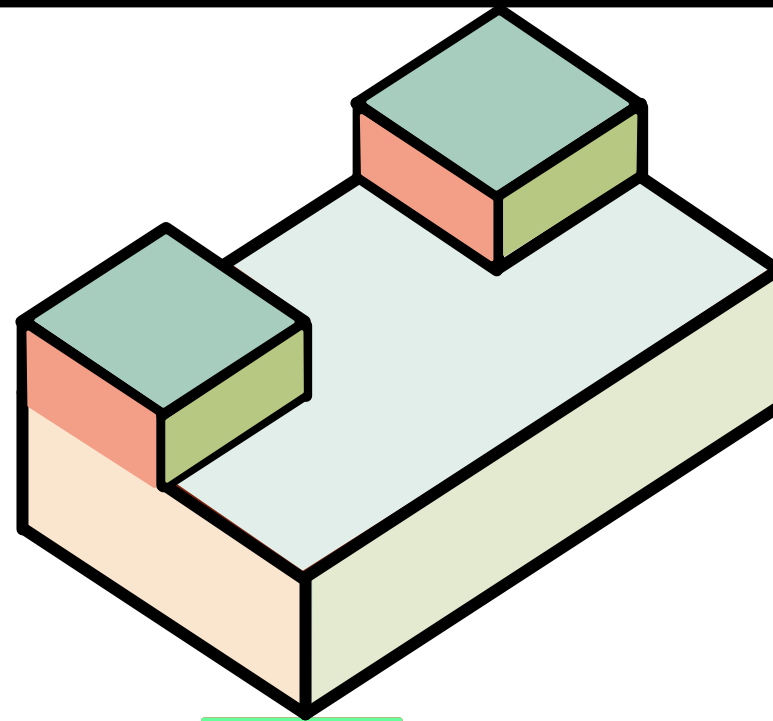
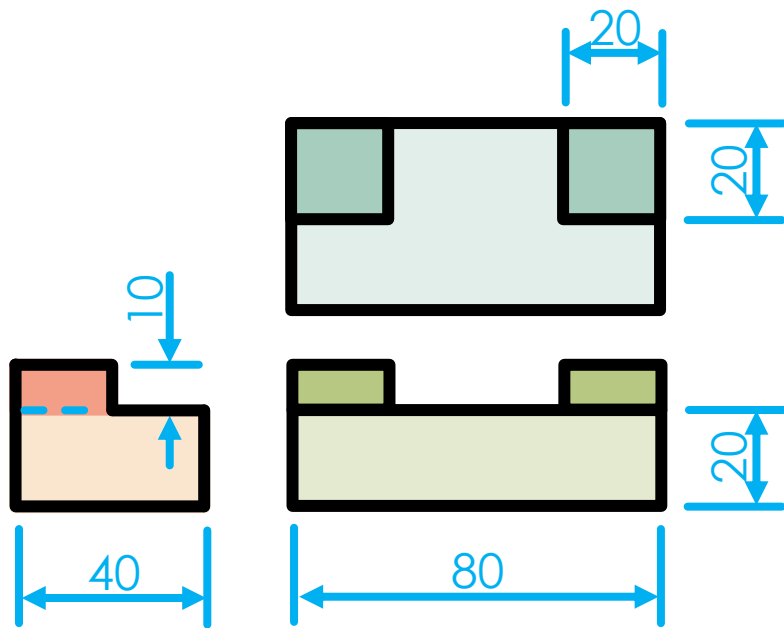
ISOMETRIC DRAWINGS

- **Question:** Use the given orthographic views and convert it into an isometric drawing.



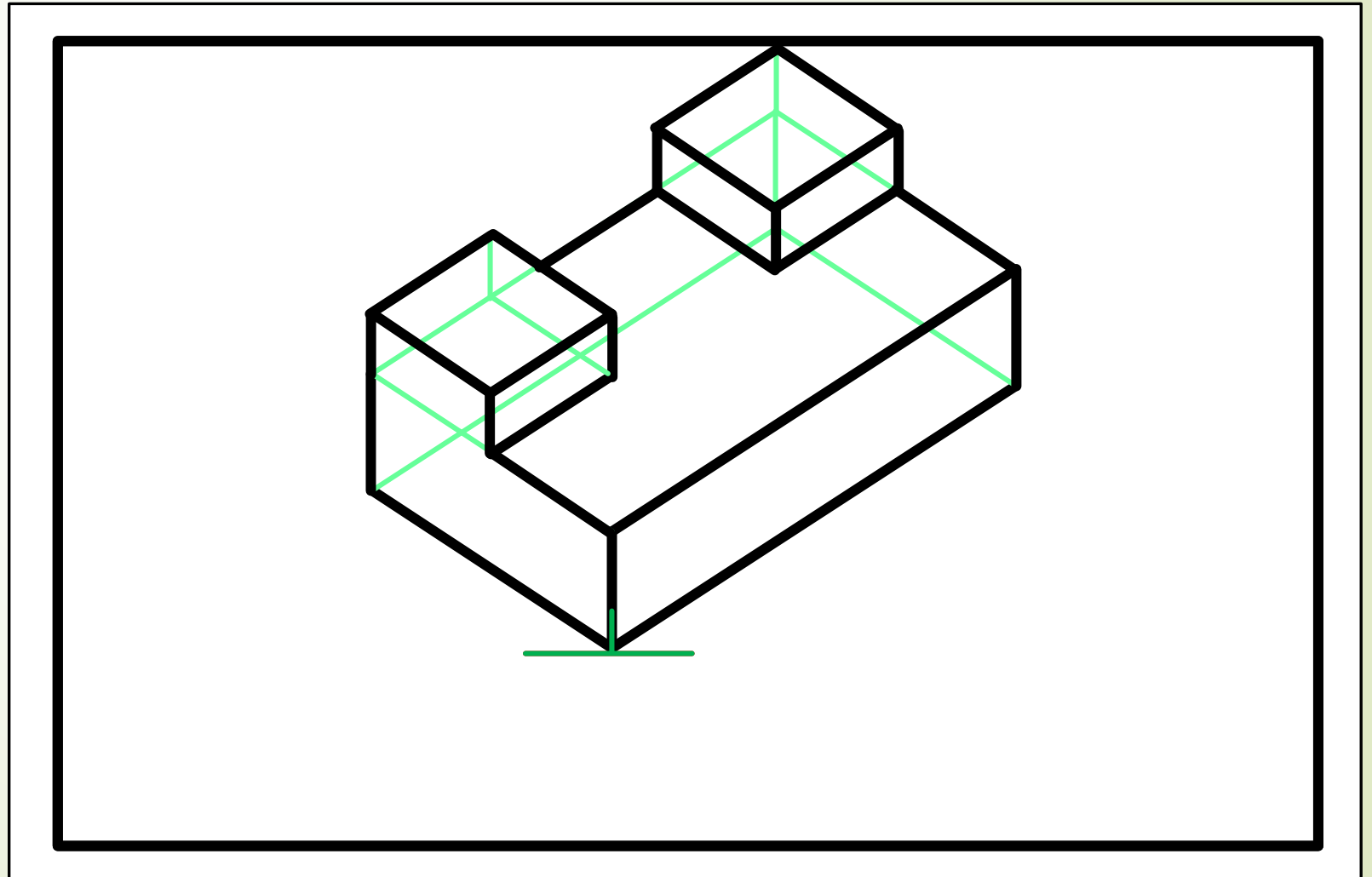
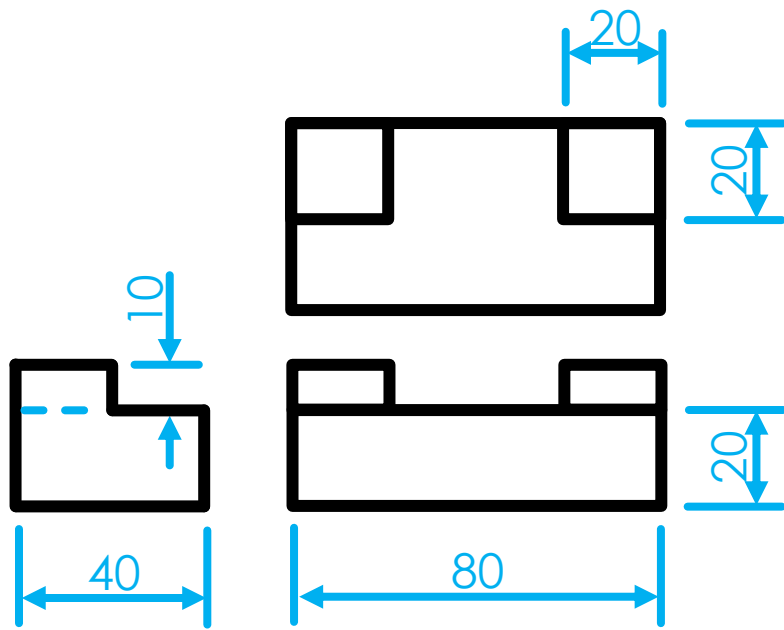
ISOMETRIC DRAWINGS

- ➔ **Question:** Use the given orthographic views and convert it into an isometric drawing.



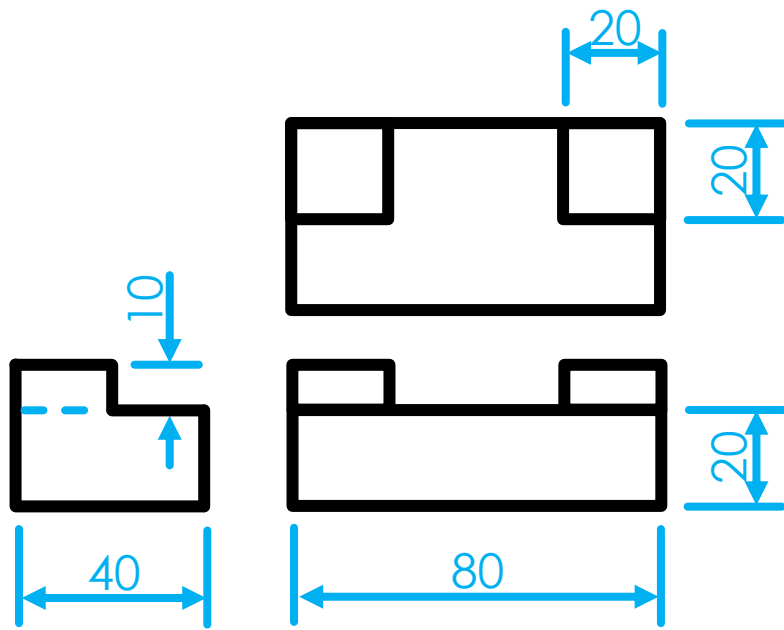
ISOMETRIC DRAWINGS

- Start from the **bottom** and build the object to the **top**.

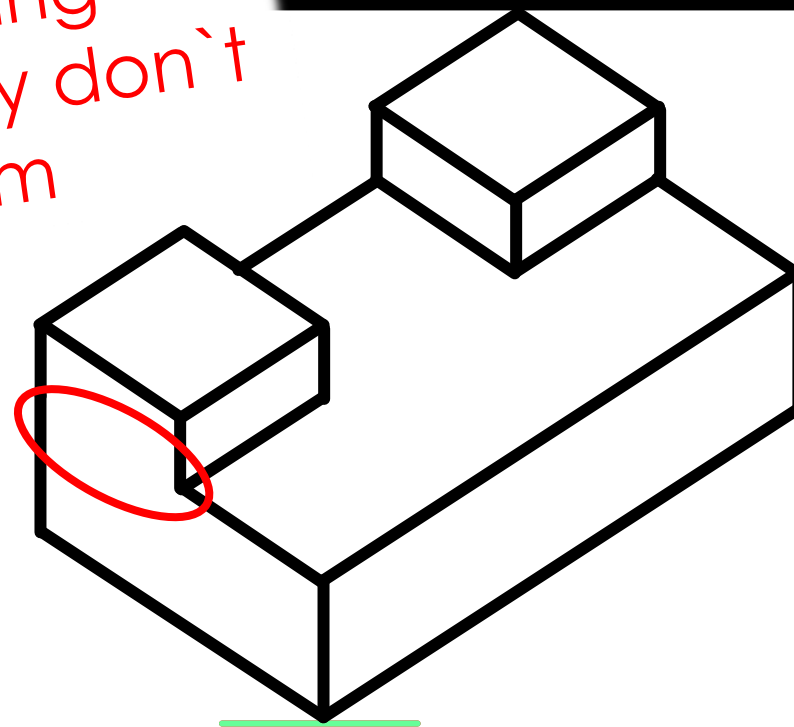


ISOMETRIC DRAWINGS

- **Question:** Use the given orthographic views and convert it into an isometric drawing.

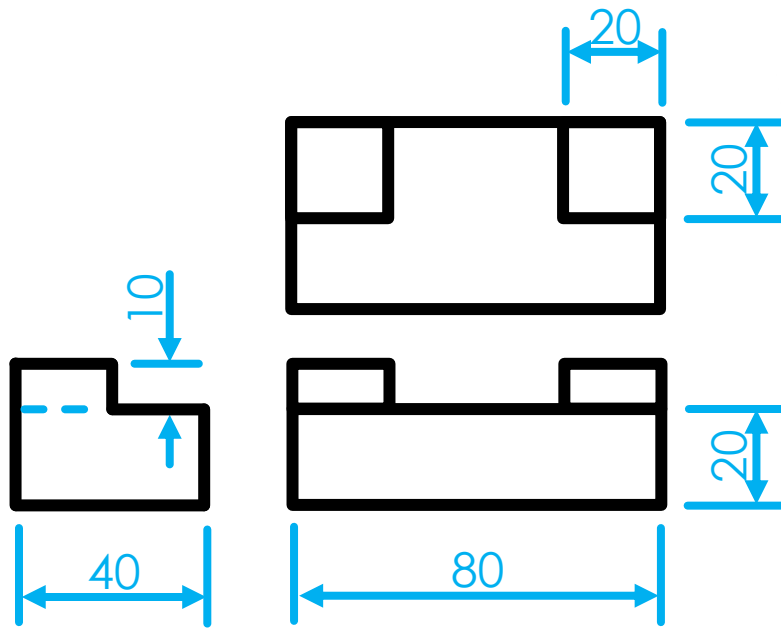


*If it is a casting
you normally don't
show a seam*

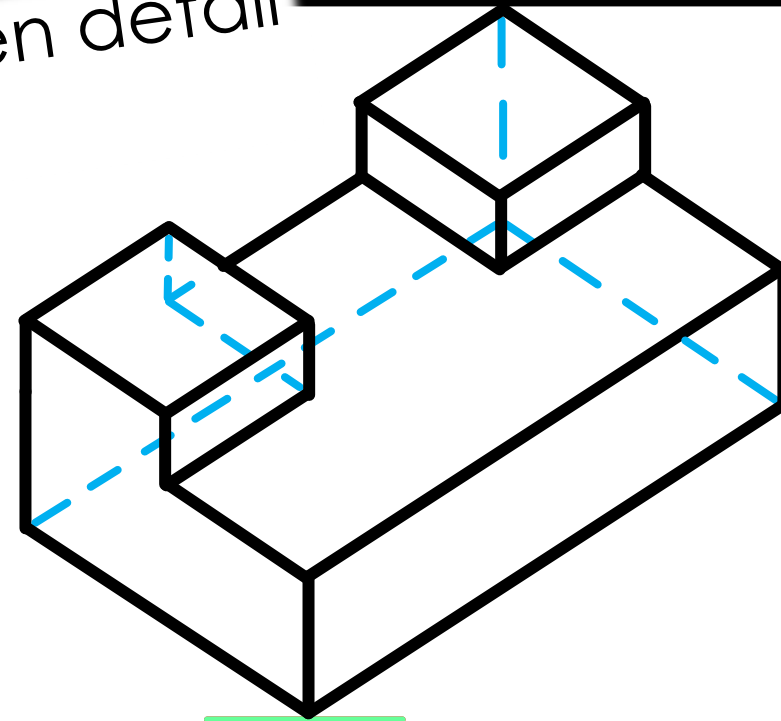


ISOMETRIC DRAWINGS

- Show only hidden detail if required or when necessary for clarity.

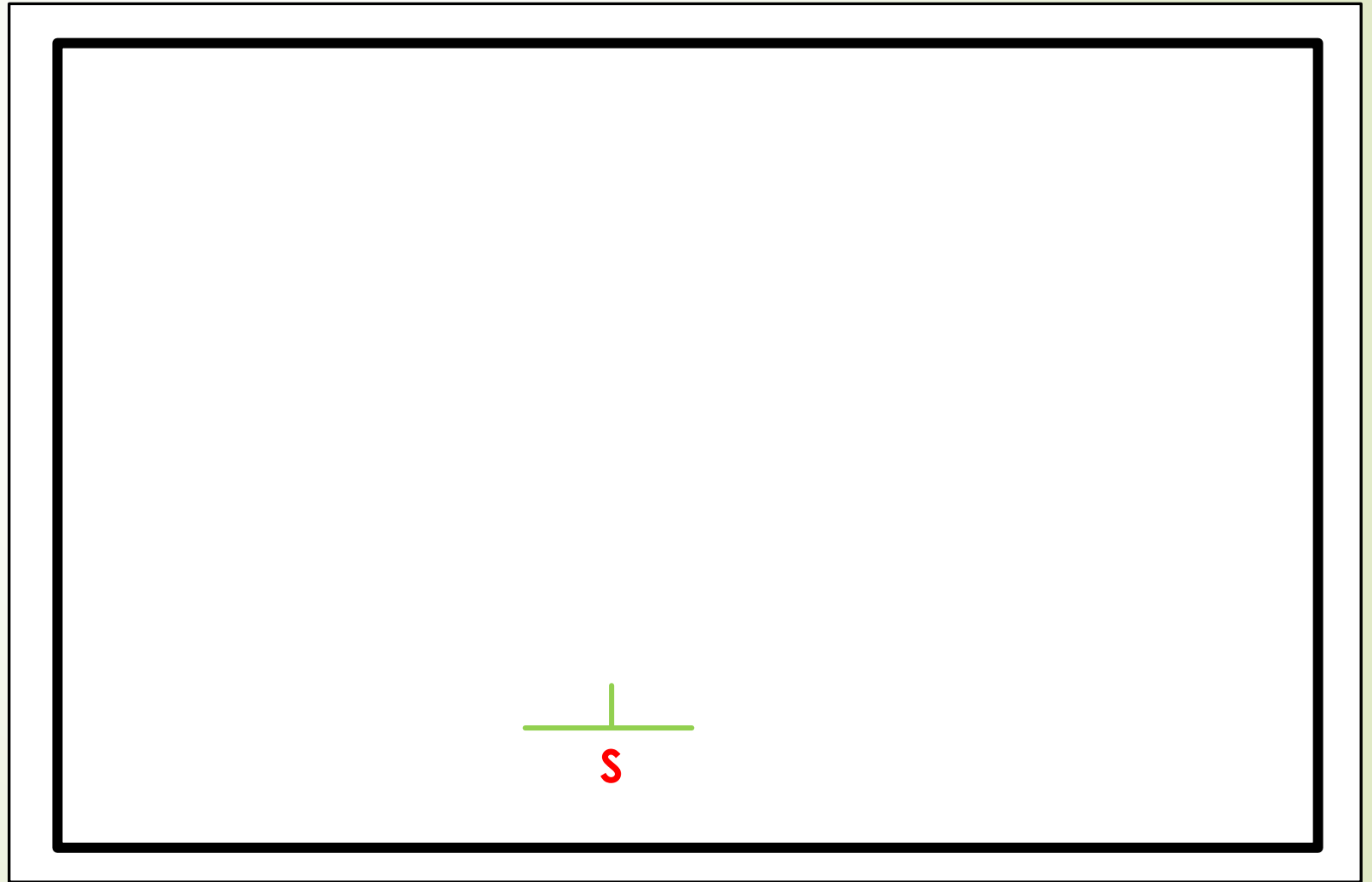
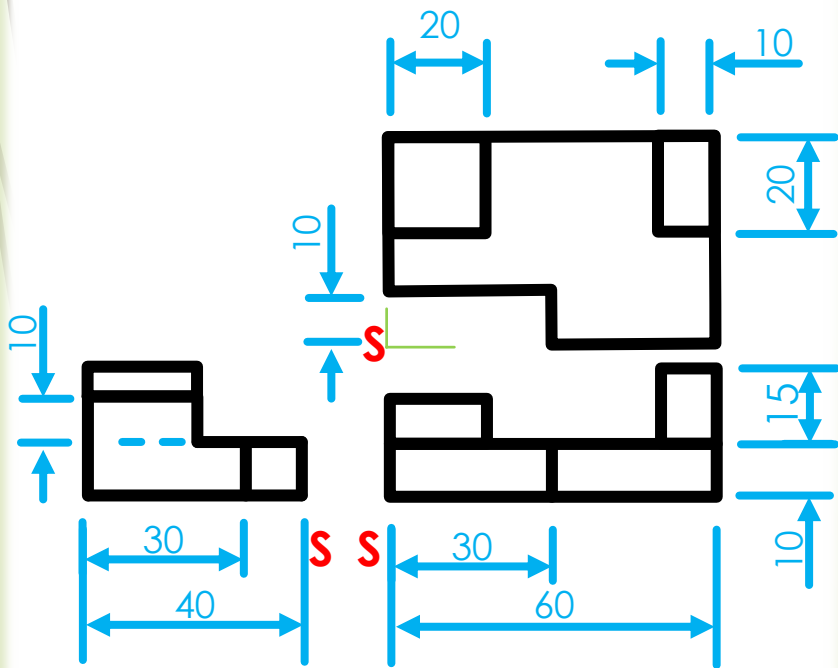


Should hidden detail be required



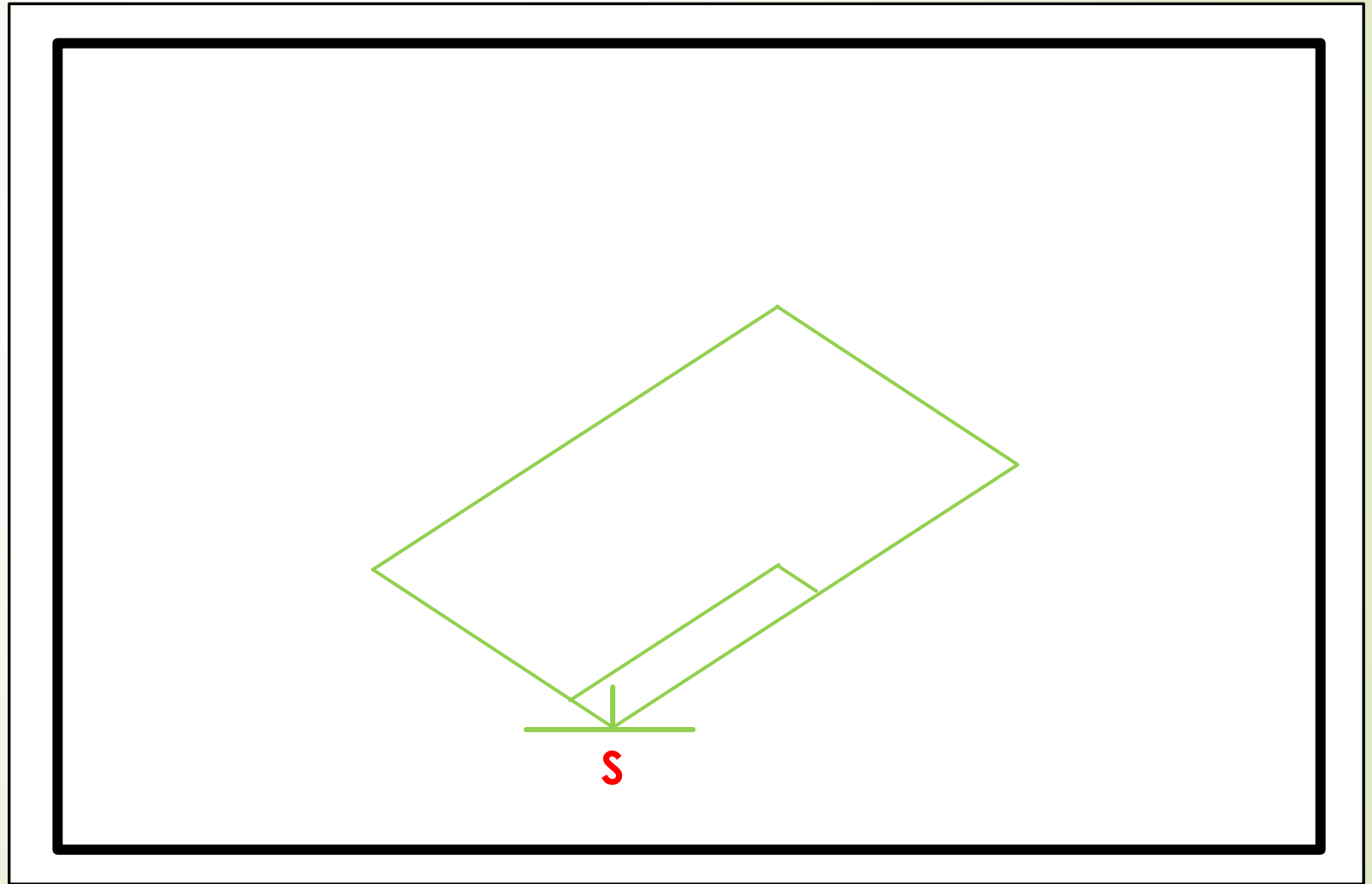
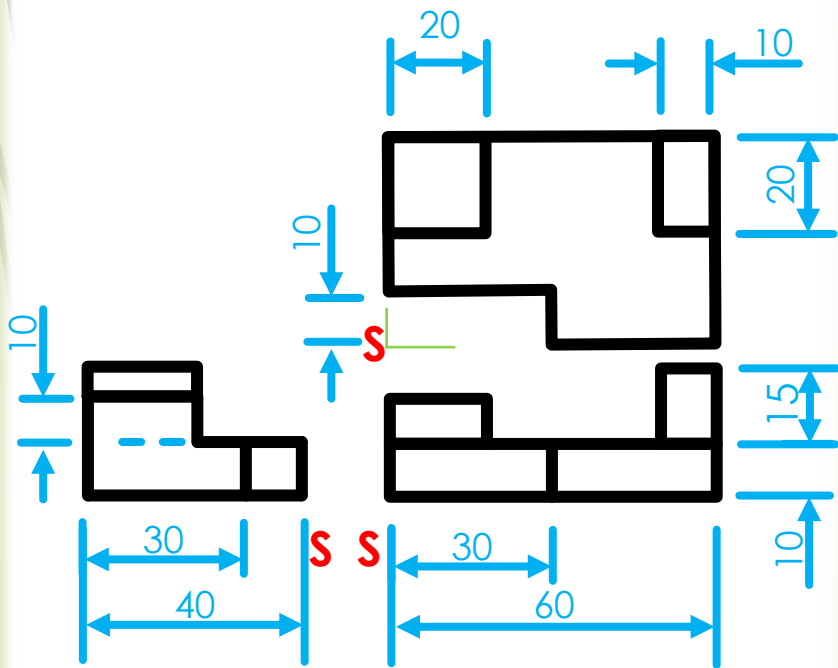
ISOMETRIC DRAWINGS

- **Question:** Use the given orthographic views and convert it into an isometric drawing. Make **S** the lowest point.



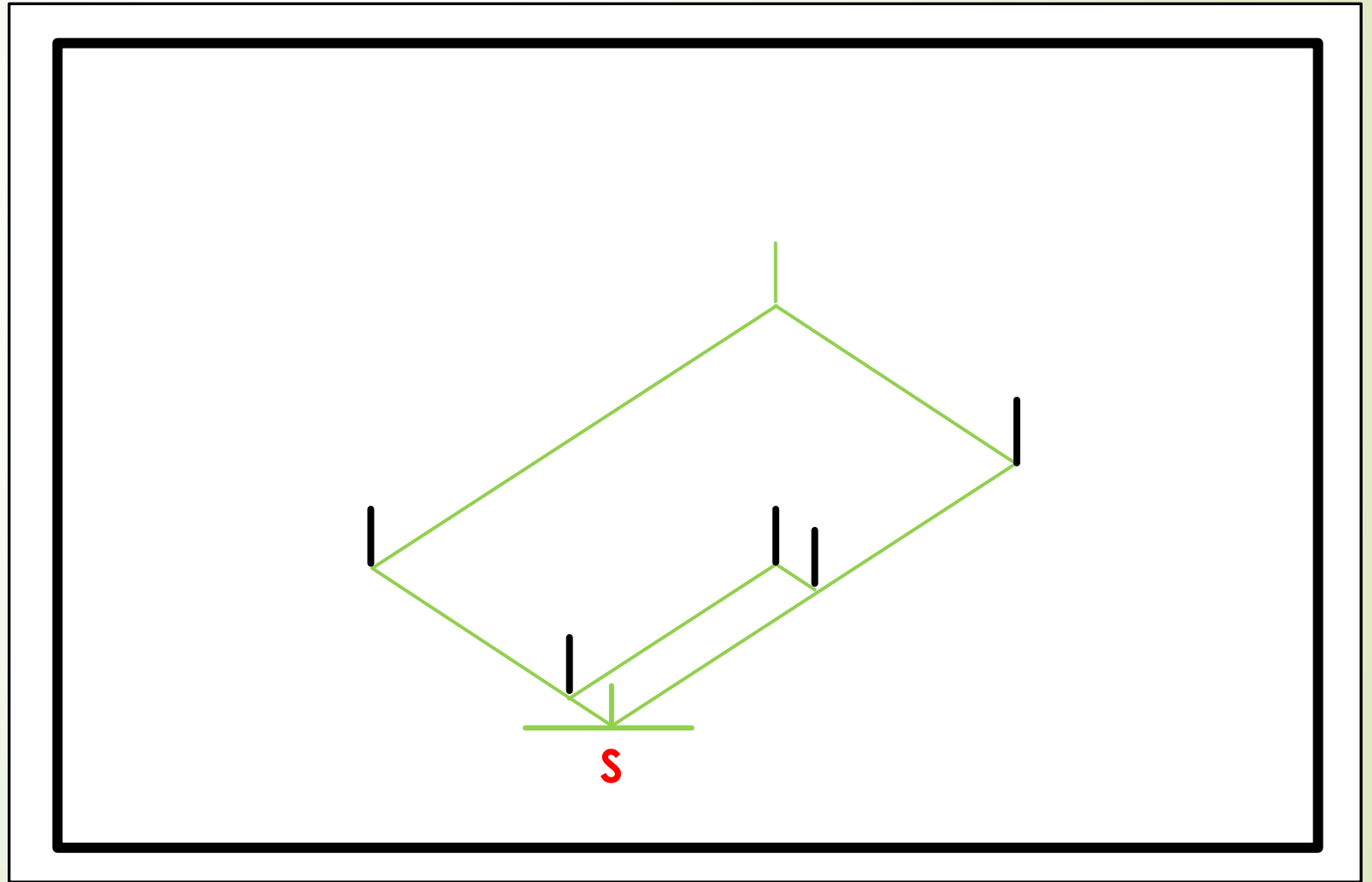
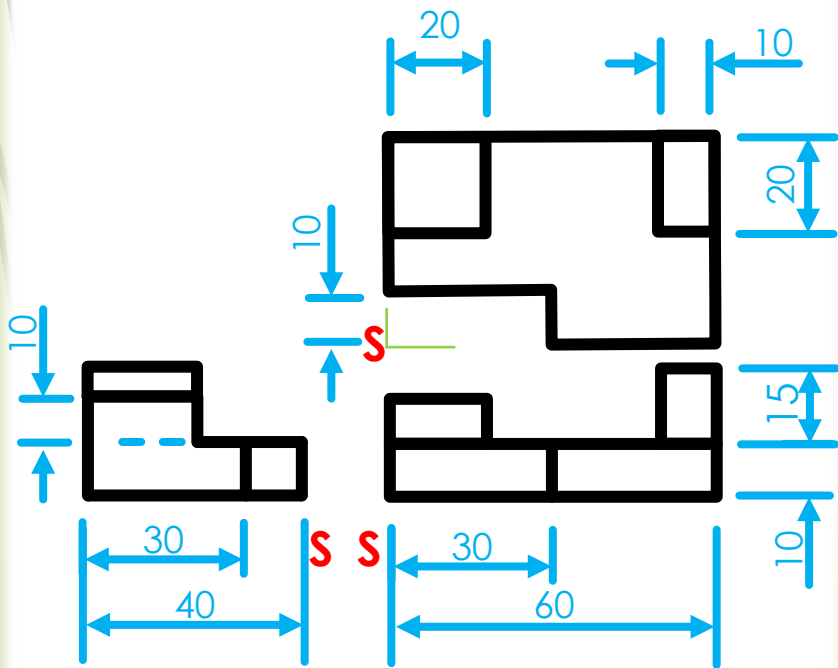
ISOMETRIC DRAWINGS

- **Question:** Use the given orthographic views and convert it into an isometric drawing. Make **S** the lowest point.



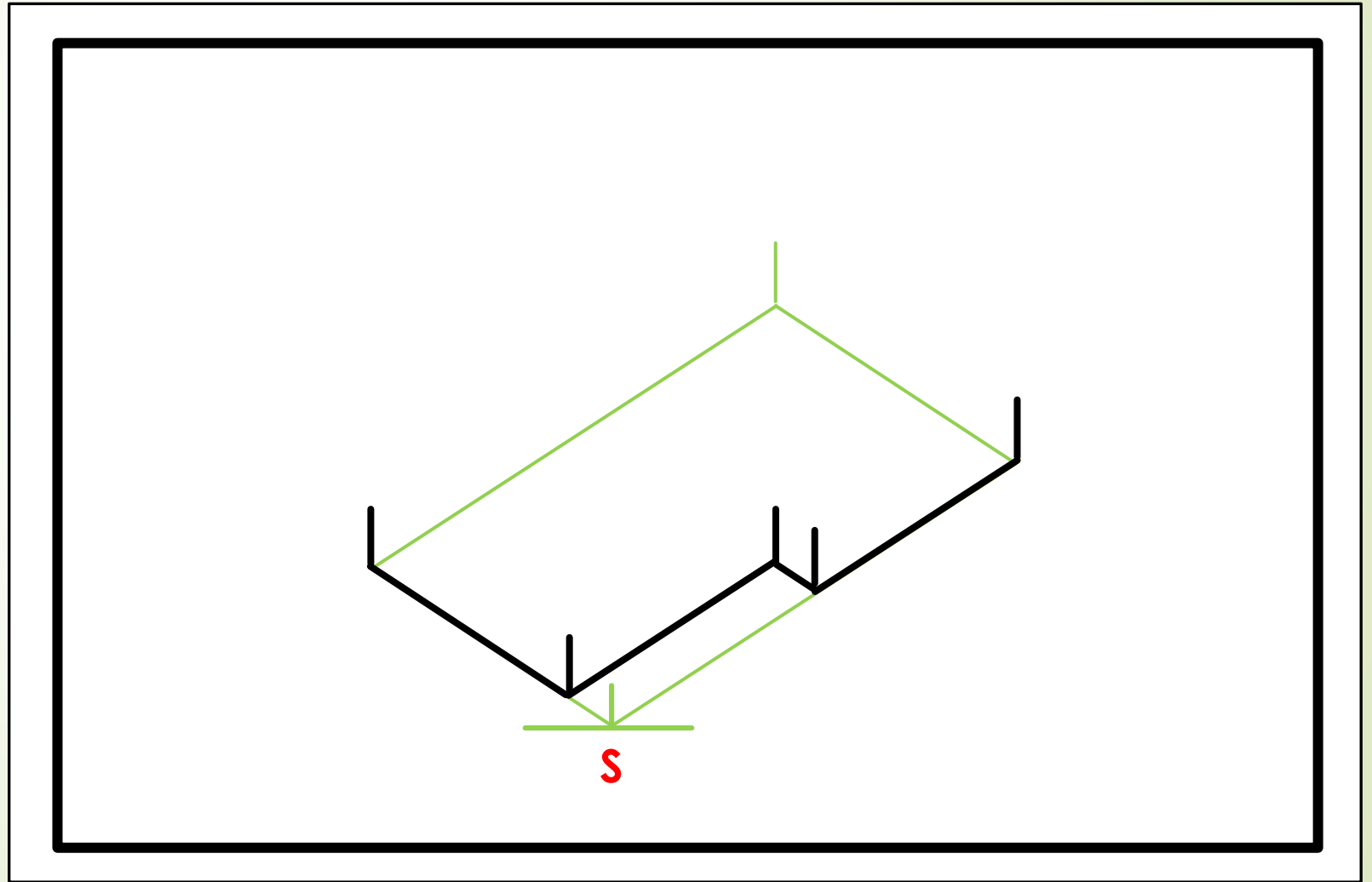
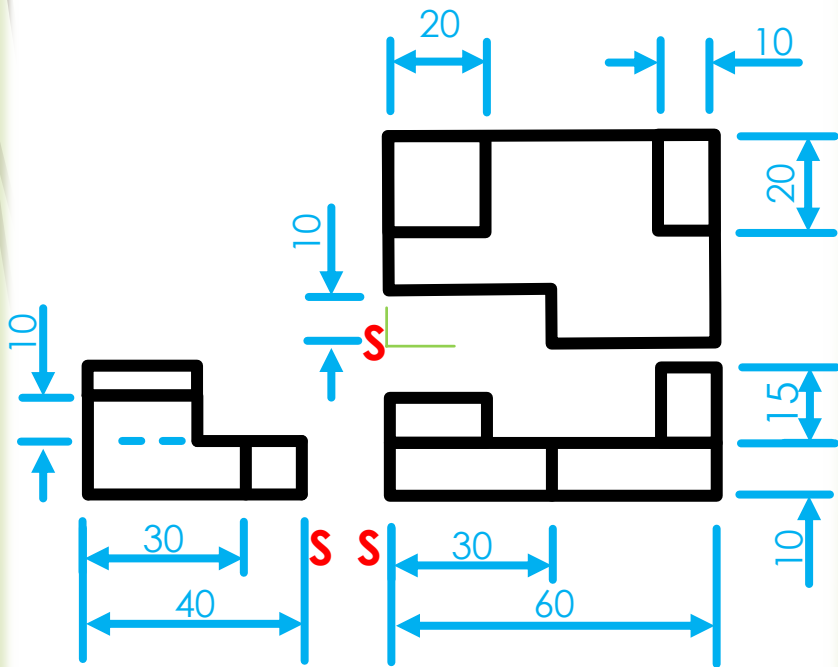
ISOMETRIC DRAWINGS

- **Question:** Use the given orthographic views and convert it into an isometric drawing. Make **S** the lowest point.



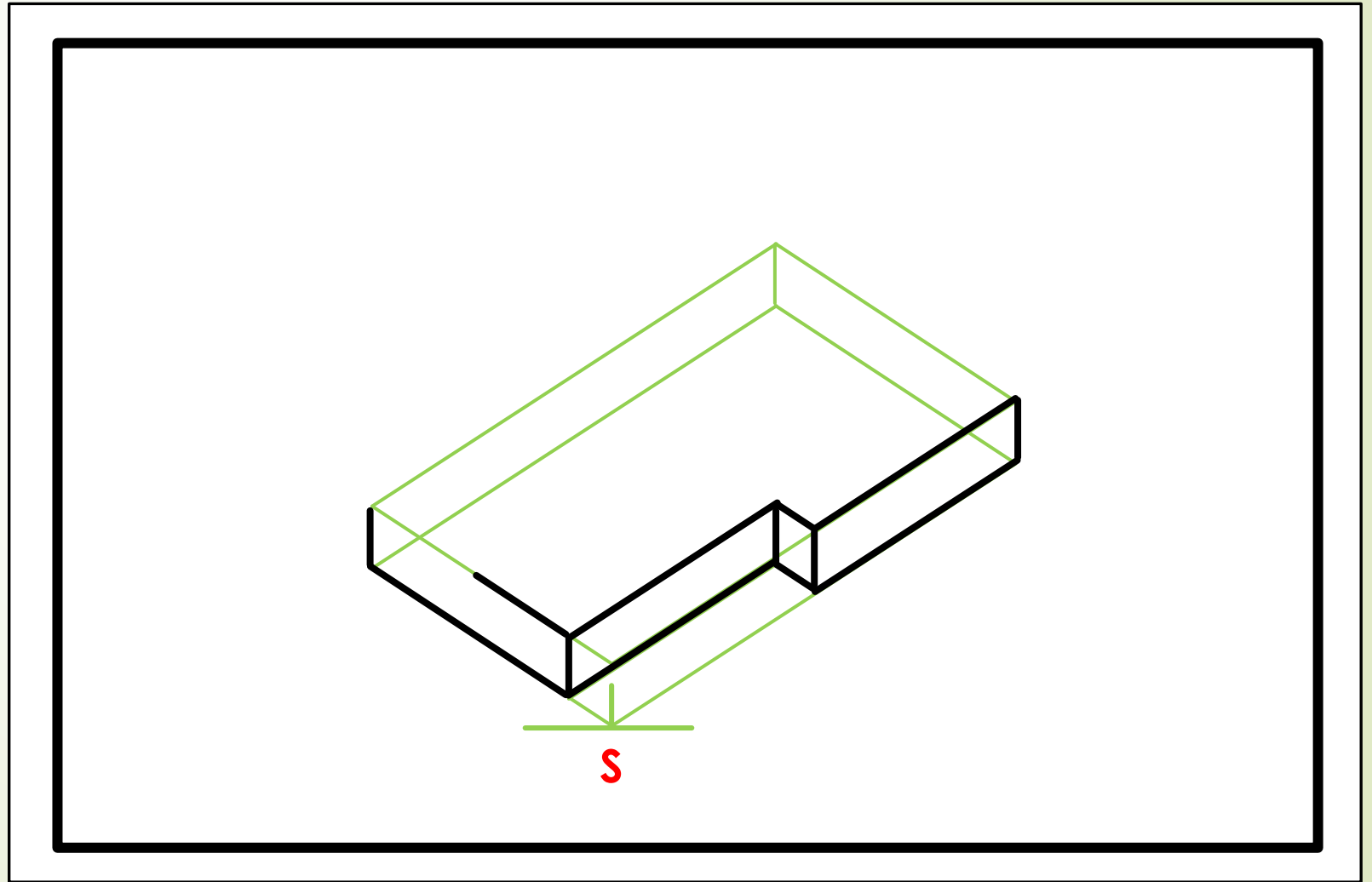
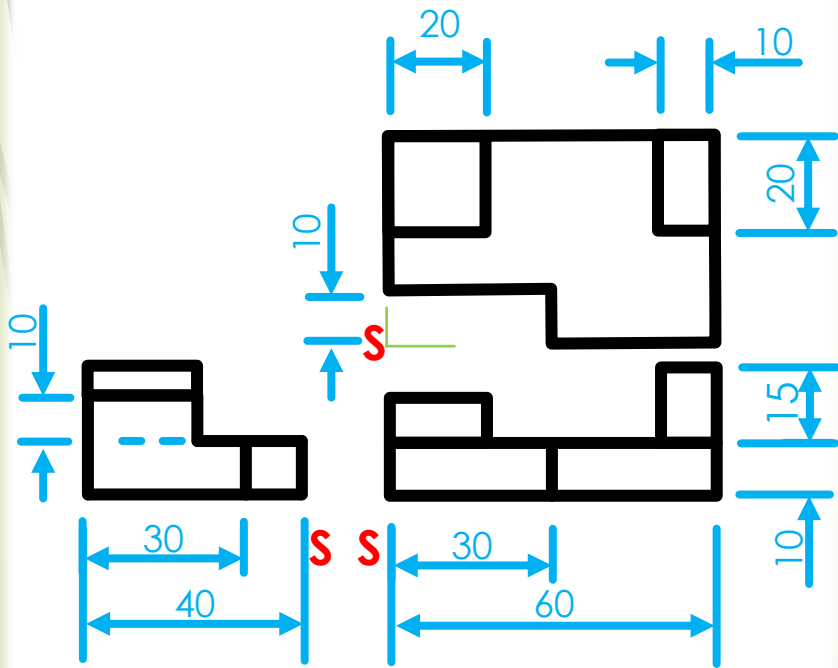
ISOMETRIC DRAWINGS

- **Question:** Use the given orthographic views and convert it into an isometric drawing. Make **S** the lowest point.



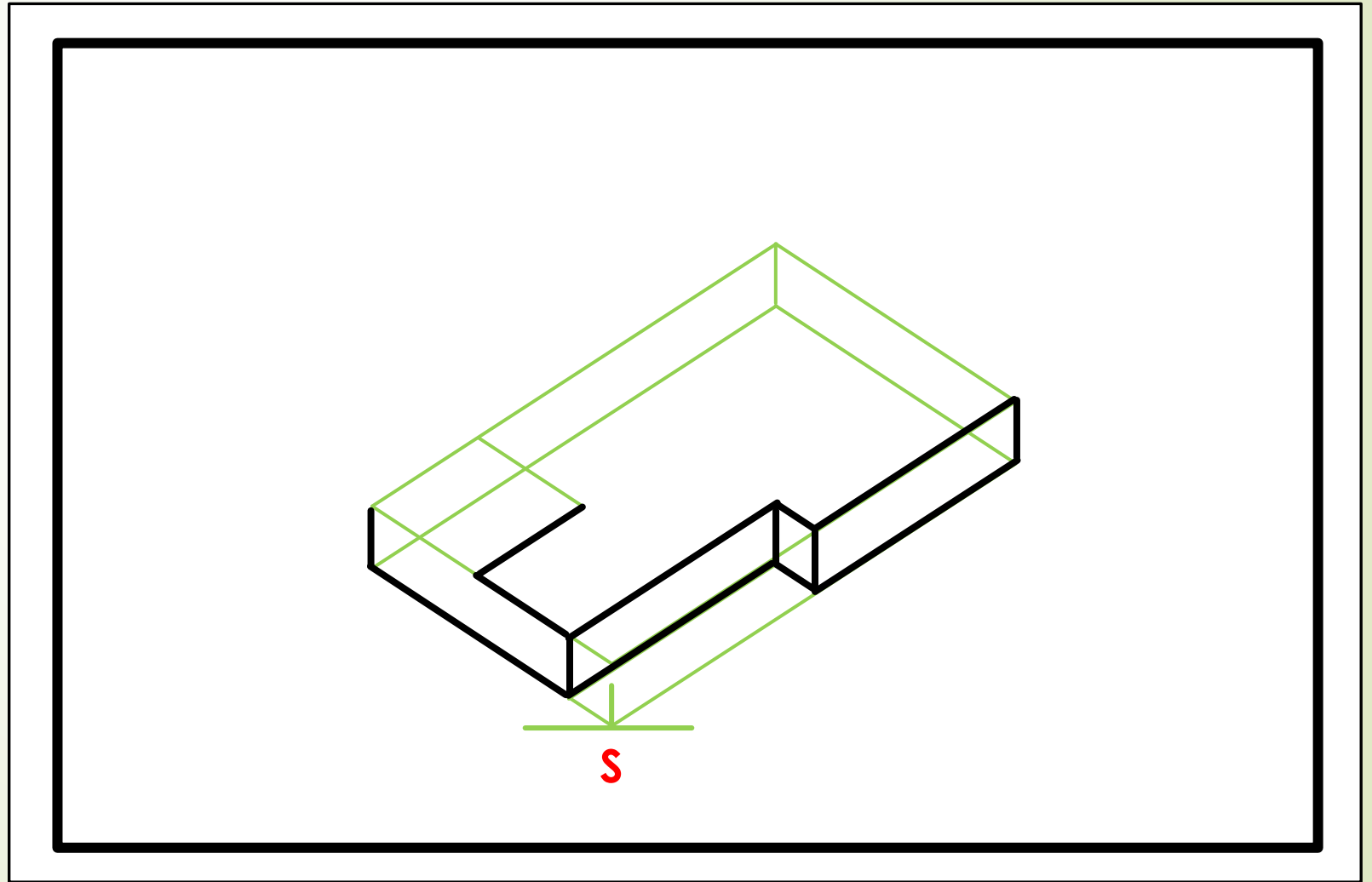
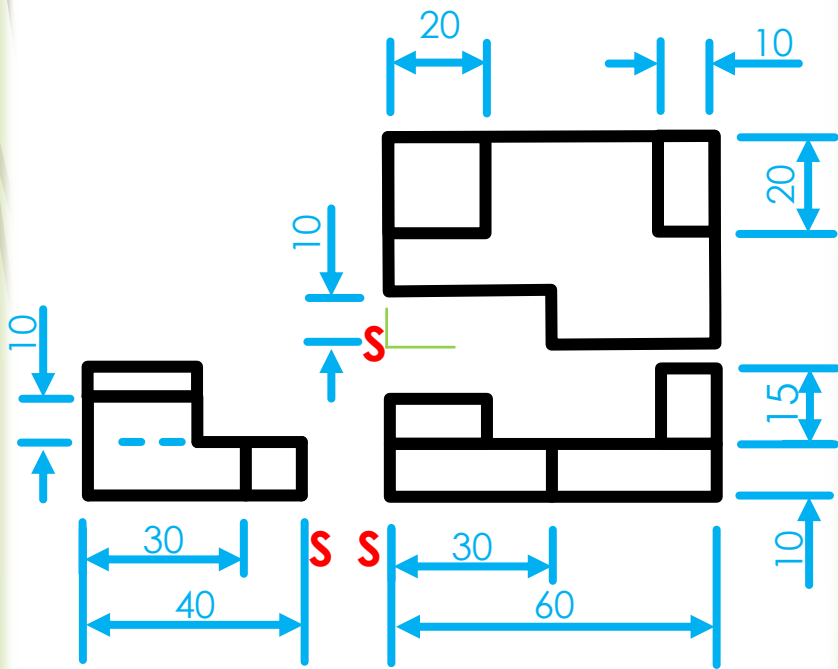
ISOMETRIC DRAWINGS

- **Question:** Use the given orthographic views and convert it into an isometric drawing. Make **S** the lowest point.



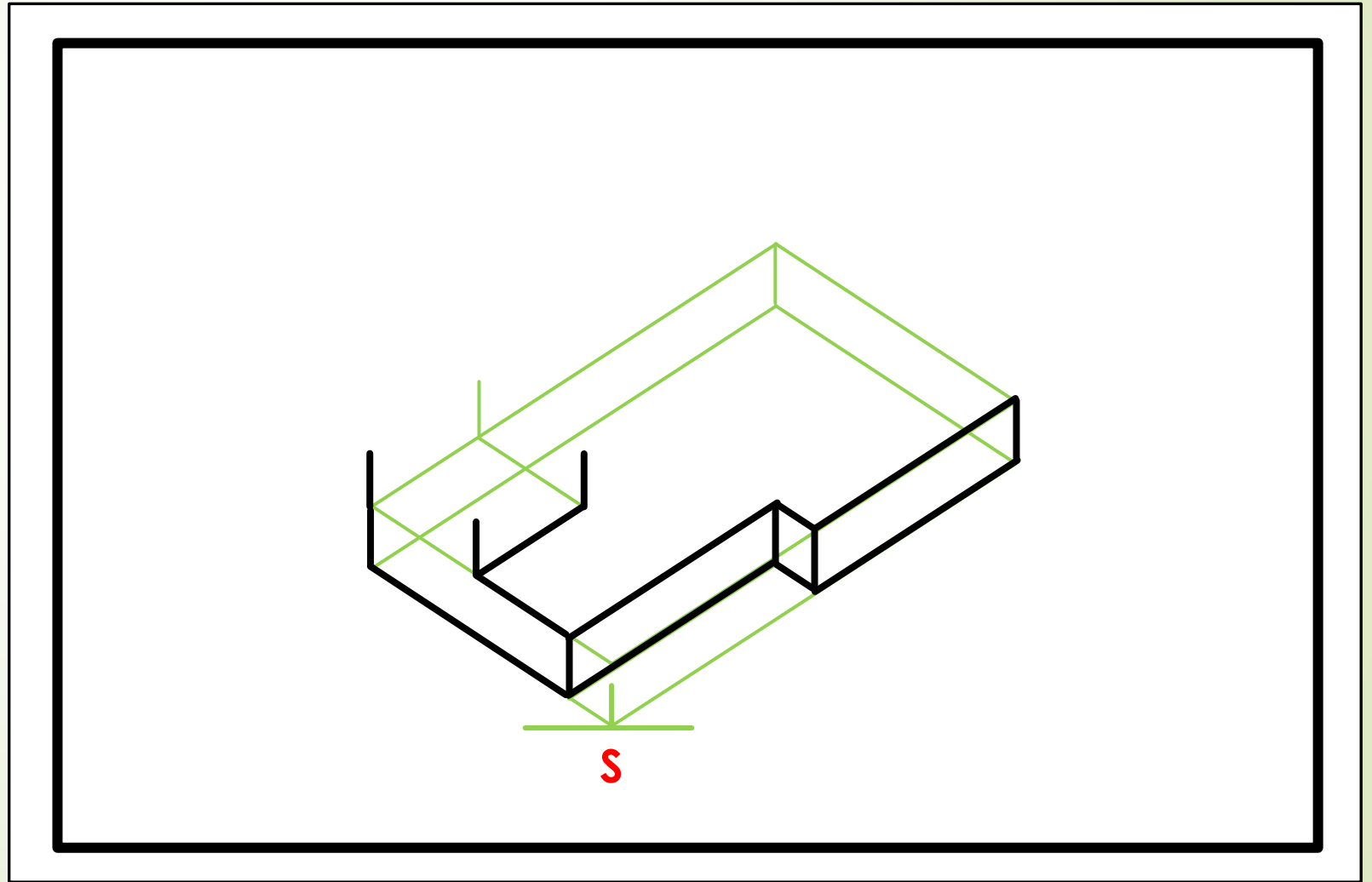
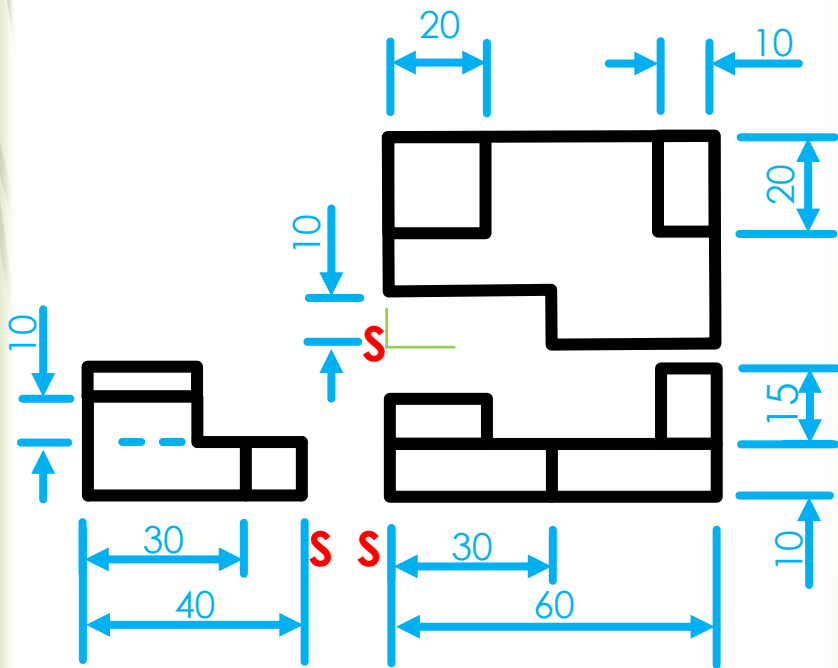
ISOMETRIC DRAWINGS

- **Question:** Use the given orthographic views and convert it into an isometric drawing. Make **S** the lowest point.



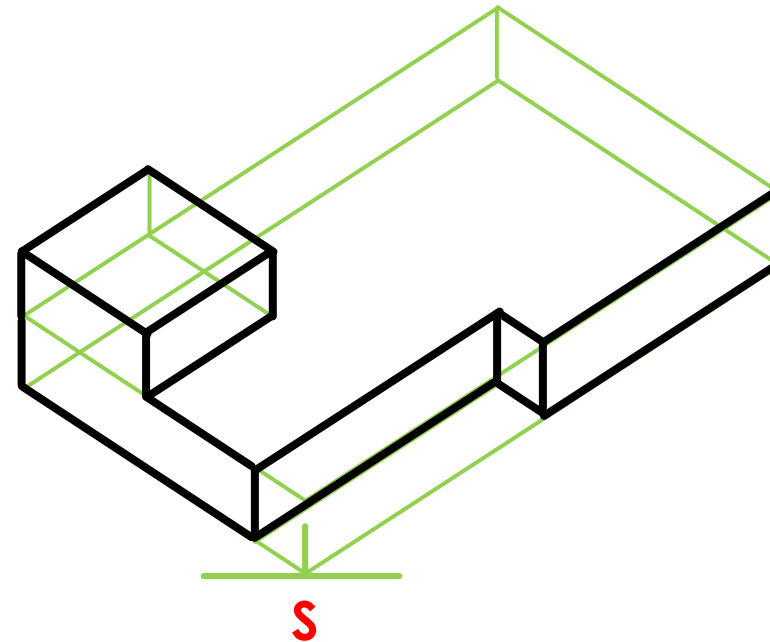
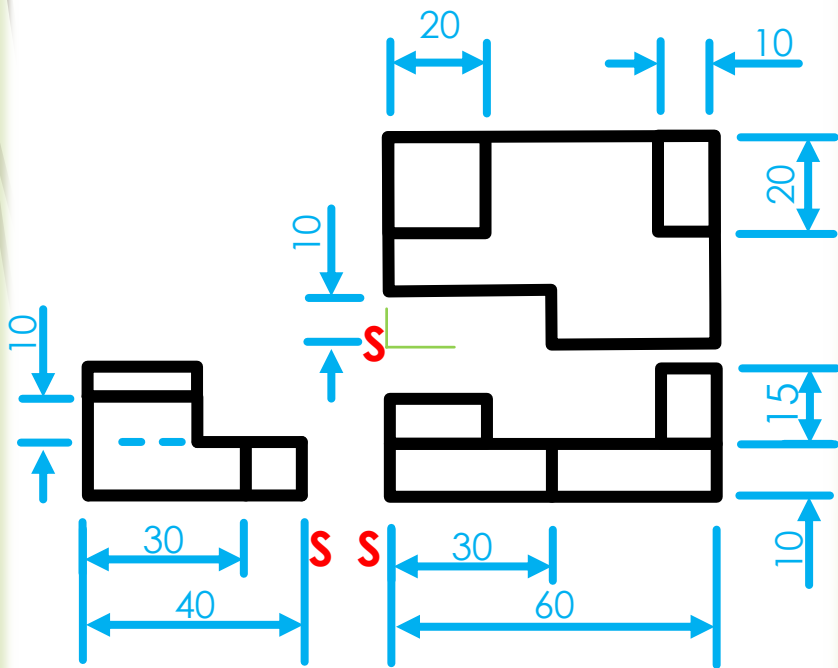
ISOMETRIC DRAWINGS

- **Question:** Use the given orthographic views and convert it into an isometric drawing. Make **S** the lowest point.



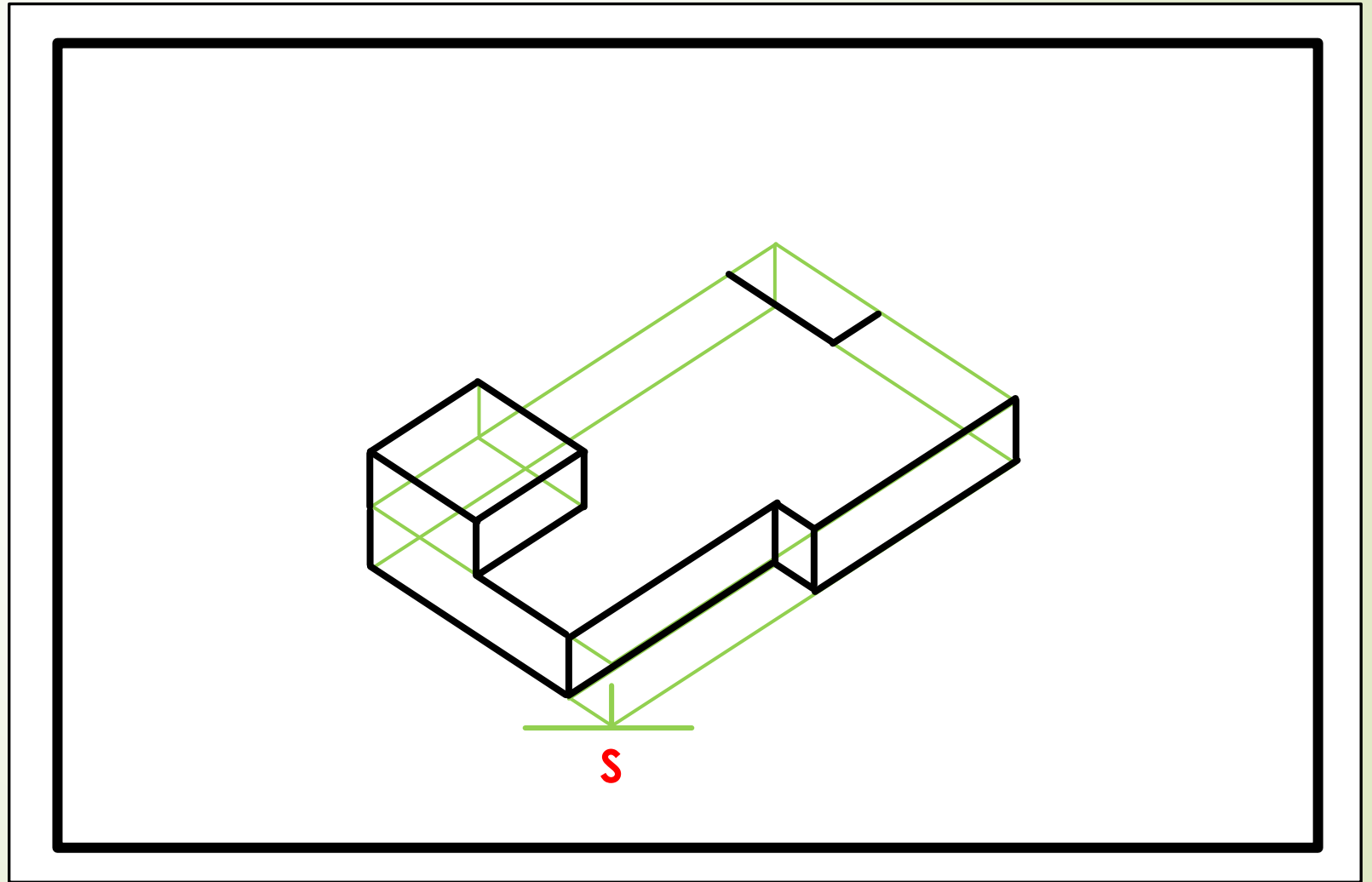
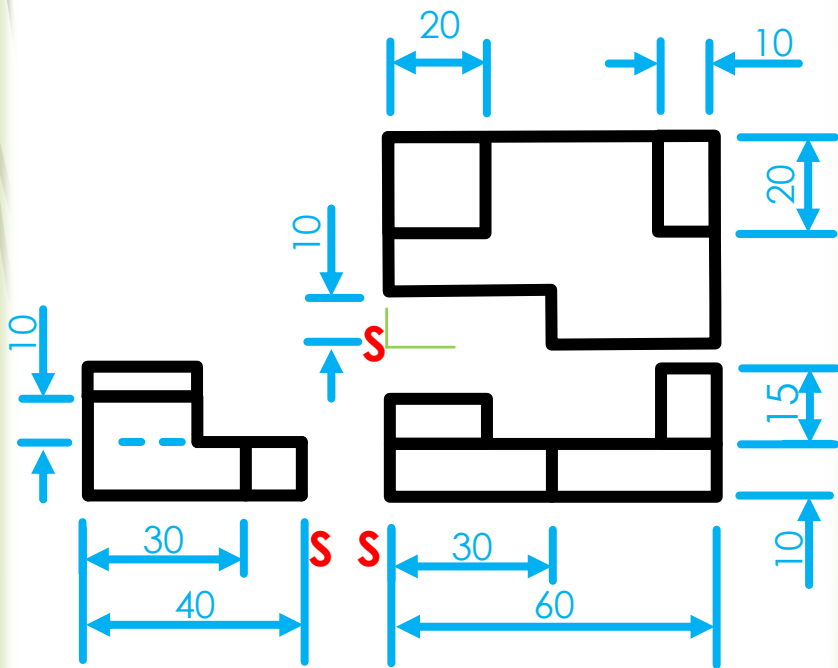
ISOMETRIC DRAWINGS

- **Question:** Use the given orthographic views and convert it into an isometric drawing. Make **S** the lowest point.



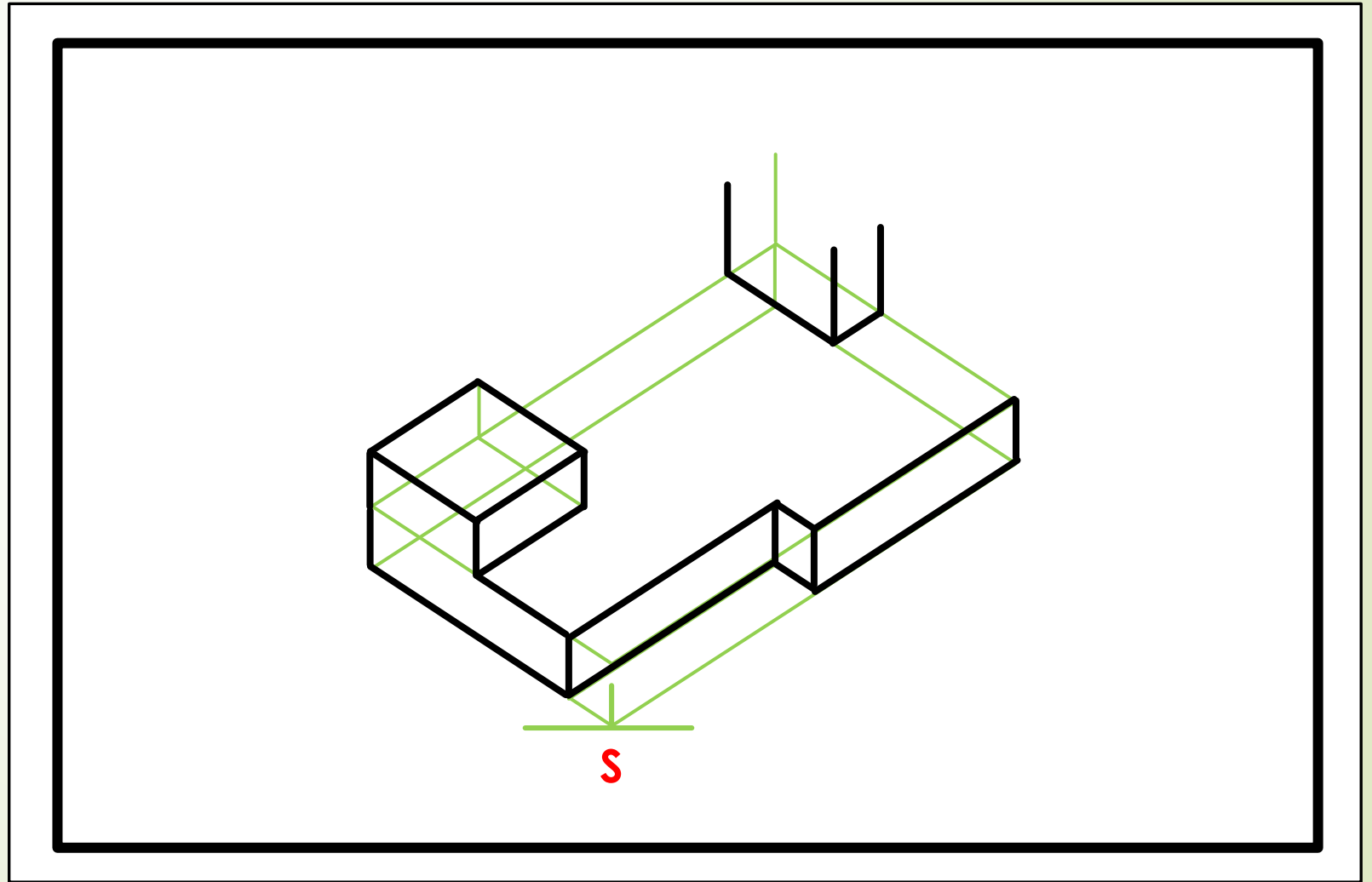
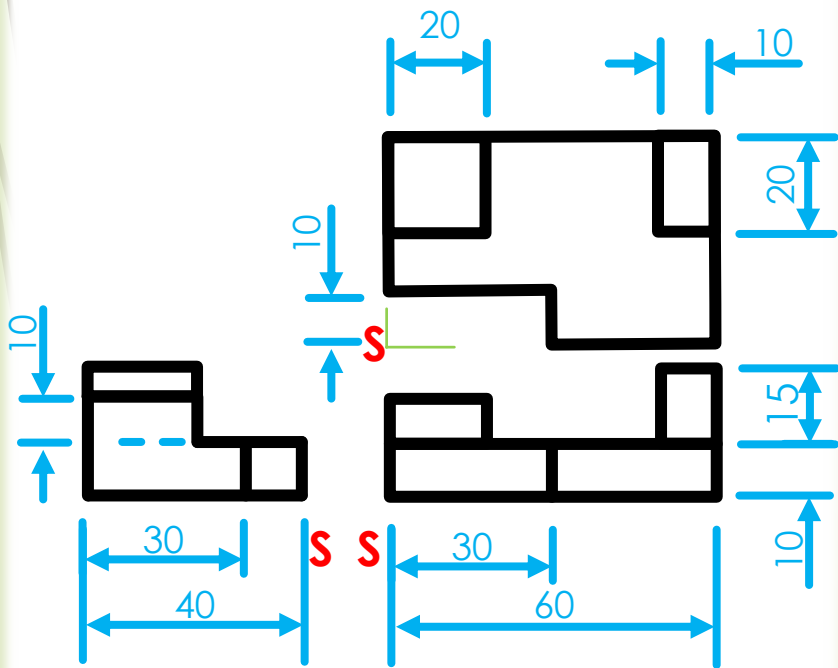
ISOMETRIC DRAWINGS

- **Question:** Use the given orthographic views and convert it into an isometric drawing. Make **S** the lowest point.



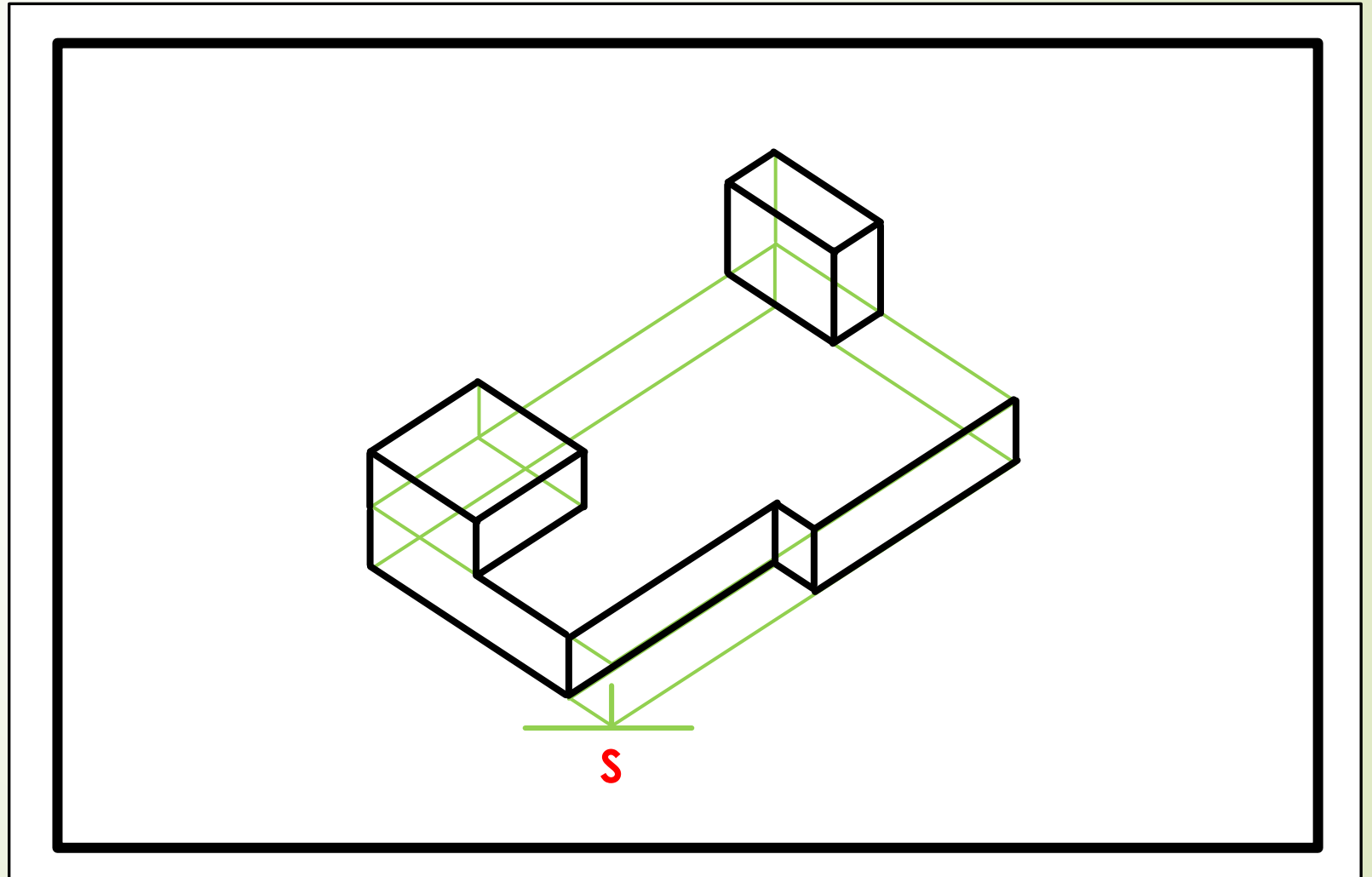
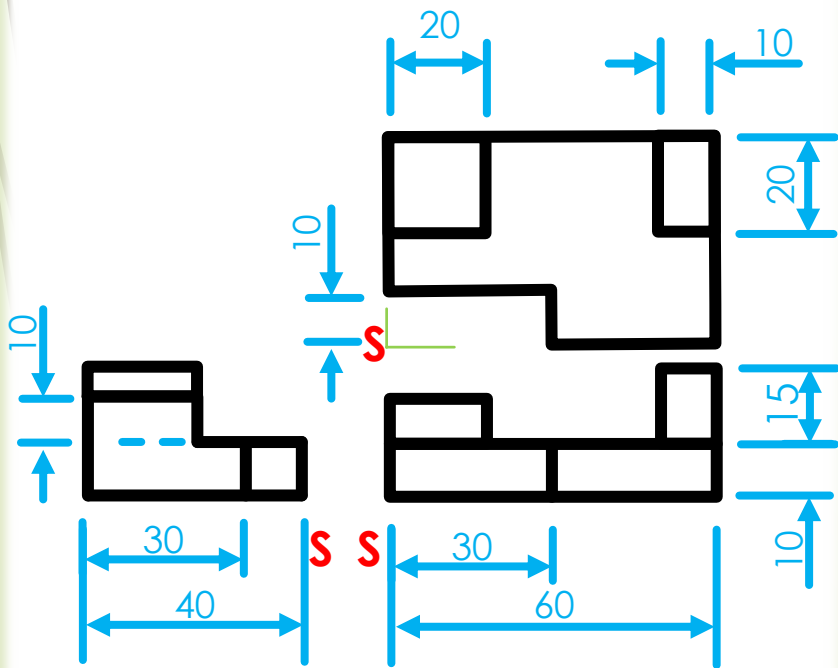
ISOMETRIC DRAWINGS

- **Question:** Use the given orthographic views and convert it into an isometric drawing. Make **S** the lowest point.



ISOMETRIC DRAWINGS

- **Question:** Use the given orthographic views and convert it into an isometric drawing. Make **S** the lowest point.



ISOMETRIC DRAWINGS

- **Question:** Use the given orthographic views and convert it into an isometric drawing. Make **S** the lowest point.

