

AQQA



Name

Product Design A Level
Summer Preparation Work

Specific Material	Material category	Properties	Applications
Spruce			
ABS			
Nylon			
Cedar			
Teak			
Marine Plywood			
Aeroply			
Flexi Ply			
PLA			
Medium Carbon Steel			
Silver			
Gold			
Titanium			
Tin			
Die Steel			
Bronze			

Compare and Contrast the two products. Mention material suitability and environmental impact:



Stainless Steel Bench



Teak Bench

Compare and Contrast the two products. Mention material suitability and environmental impact:



PLA cup



PET cup

Research the process of 'Rotational Moulding' and use diagrams and notes to describe the process below:

Research the process of 'Offset Lithography' and use diagrams and notes to describe the process below:

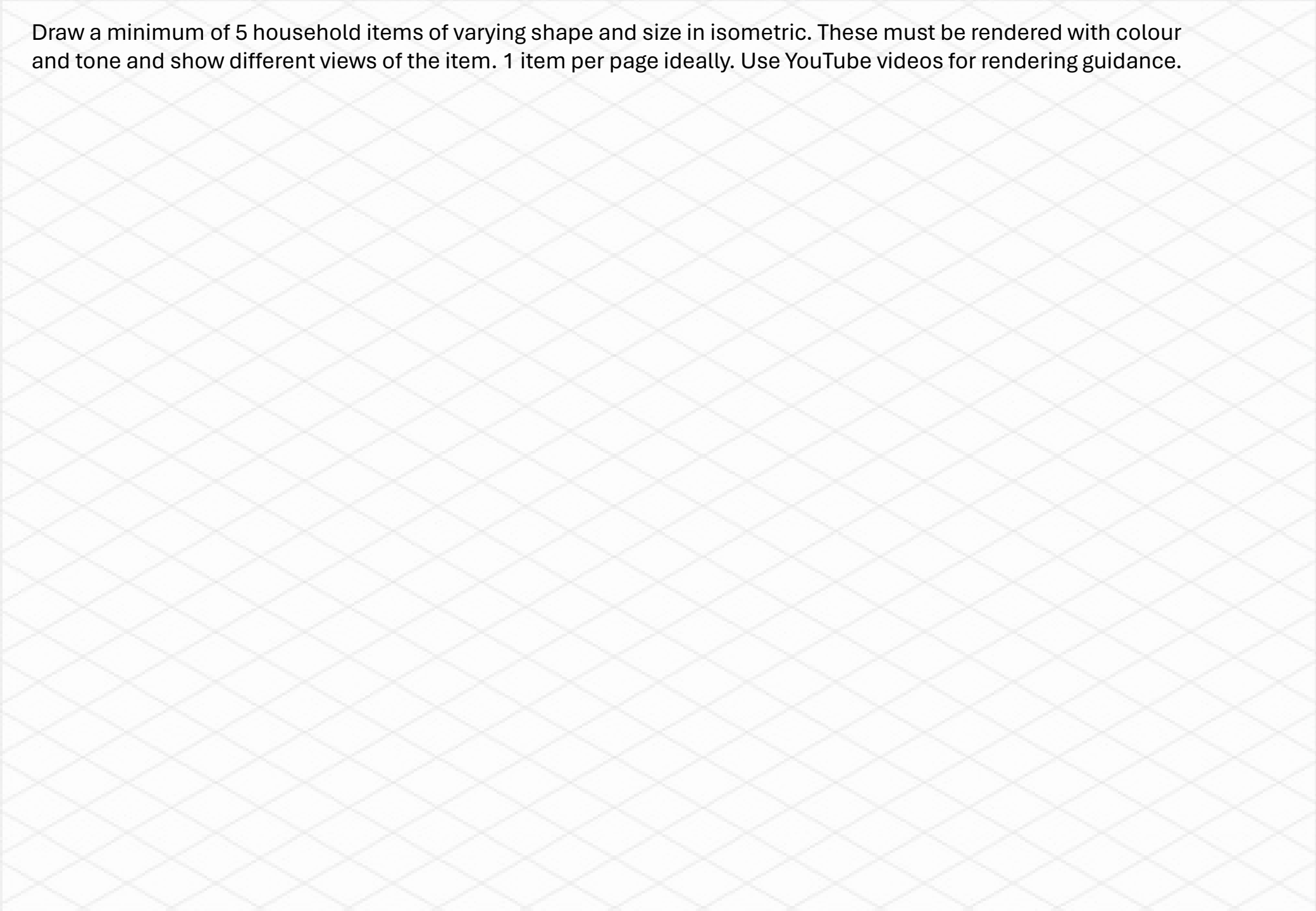
Research the process of 'Press Forming' and use diagrams and notes to describe the process below:

Research the process of 'Die Cutting' and use diagrams and notes to describe the process below:

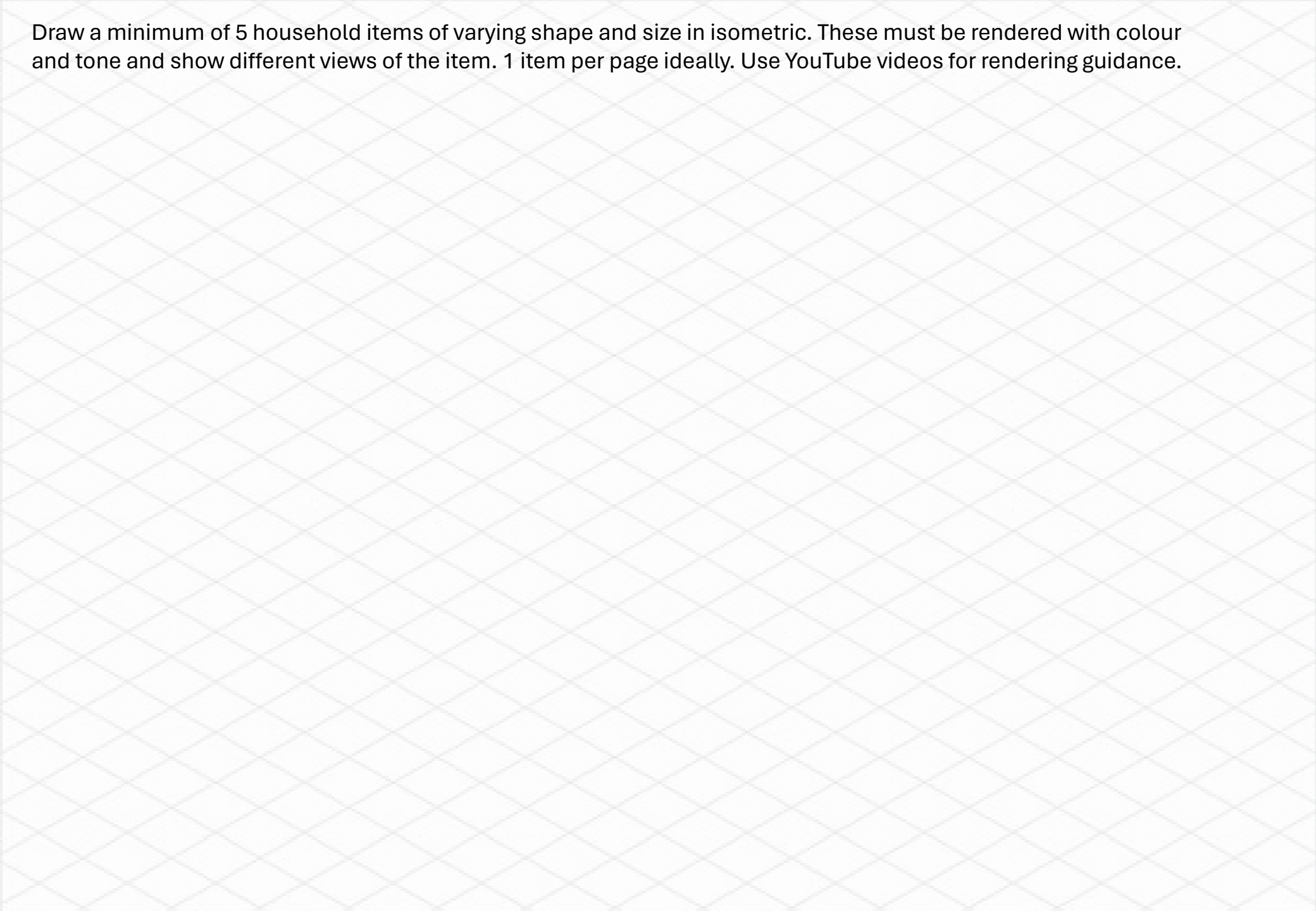
Research the process of 'Polymer Overmoulding' and use diagrams and notes to describe the process below:

Research the process of 'CNC Milling' and use diagrams and notes to describe the process below:

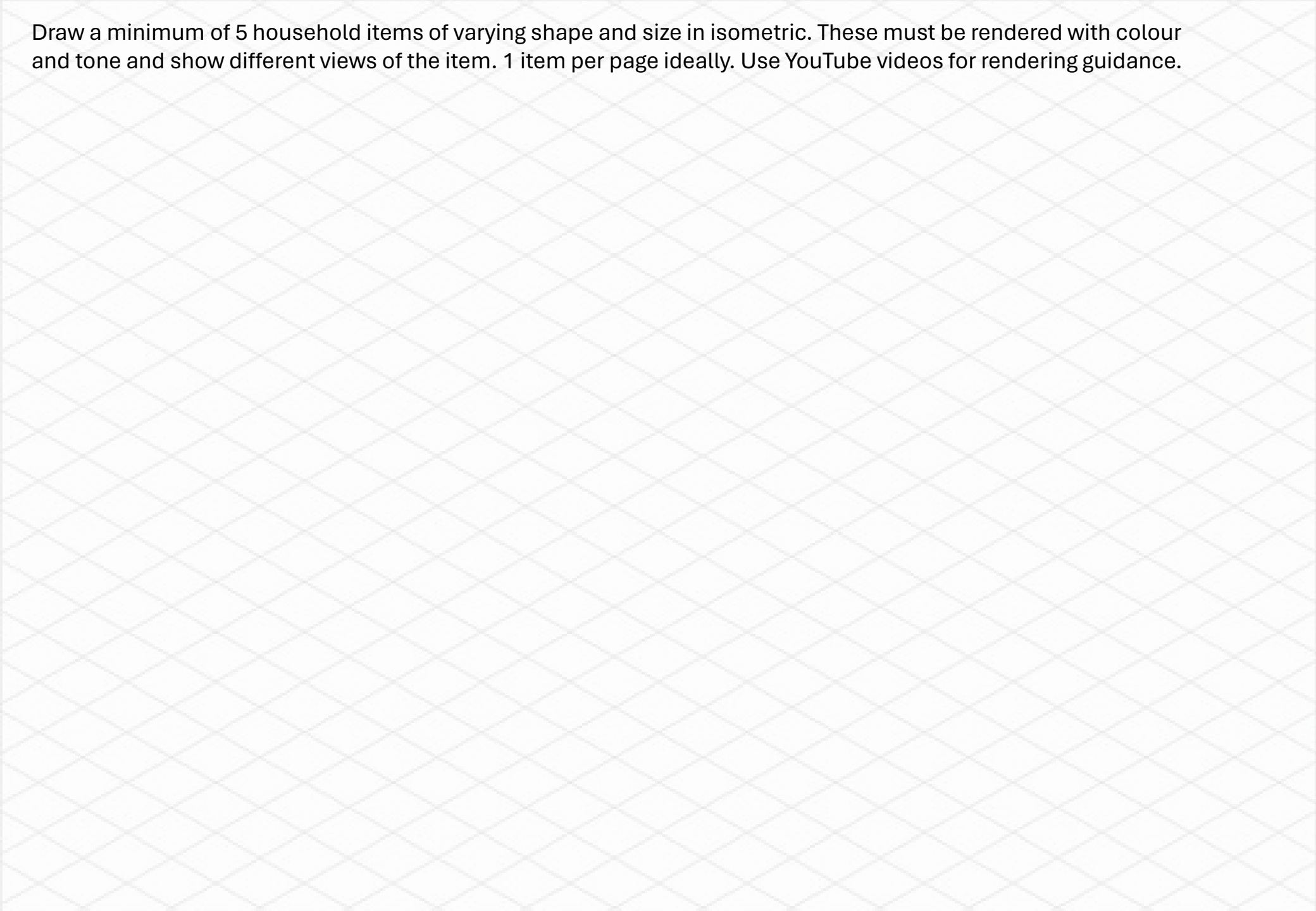
Draw a minimum of 5 household items of varying shape and size in isometric. These must be rendered with colour and tone and show different views of the item. 1 item per page ideally. Use YouTube videos for rendering guidance.



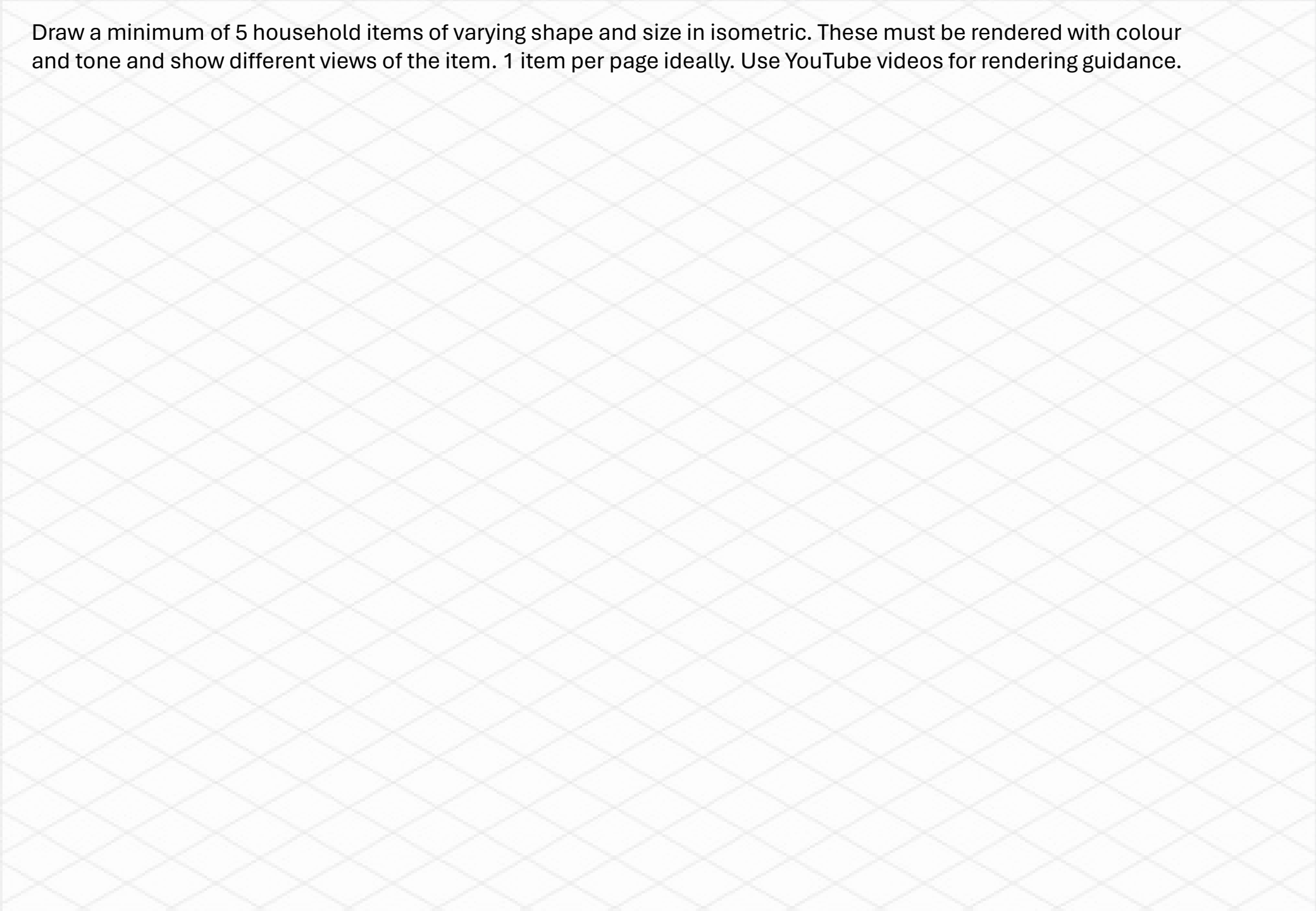
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