Pencils for Technical Drawing

Answer | Task 1 of 4 | LETTER

Original prompt

Make a line test for 2H, HB and 2B from one maker on the same paper. Label the grade beside each mark and record the clearest difference.

Printed examples illustrate mark types. Make your own samples to compare materials.

2H



HB



2B



Answer

A correct key labels all three grades. The sample has a small, pale 2H mark, a stronger HB mark and a dark 2B example. Your own note names a difference you can see, such as tone or edge sharpness.

Reasoning

The similar lengths and controlled paper give you a clearer comparison of the grade choice.

Check

Confirm the three labels are present. Look for a visible difference and keep the paper and line length consistent.

Pencils for Technical Drawing

Answer | Task 2 of 4 | LETTER

Original prompt

Draw a construction guide and a visible edge side by side for a simple technical sketch. Choose from 2H and HB. Give one reason for each choice.

Printed examples illustrate mark types. Make your own samples to compare materials.

Construction guide



Visible object edge



Answer

Try a lightly drawn 2H construction guide and a more visible HB object edge. Record that the guide can stay faint and the edge has to stand out.

Reasoning

Readers can find the object edge quickly when the guide has lower contrast.

Check

Cover the grade labels. Identify the guide and edge by their appearance. Retry with lighter handling if they look equally strong.

Pencils for Technical Drawing

Answer | Task 3 of 4 | LETTER

Original prompt

A 2H guide is dark and dents the paper. The finished edge is hard to find. Make a corrected pair of line samples and explain your change.

Printed examples illustrate mark types. Make your own samples to compare materials.

Corrected guide



Readable finished edge



Answer

Keep a fresh part of the same paper. Use less pressure for the guide and mark the finished edge separately with HB. The guide sample should stay clear of grooves.

Reasoning

A hard grade can leave a groove under heavy pressure. Reducing the pressure and making a fresh line avoids relying on the original indentation.

Check

Tilt the sheet and inspect the guide in raking light. The edge remains visible and the fresh guide has no visible groove.

Pencils for Technical Drawing

Original prompt

Make a small line-weight key for your next drawing with a guide, an ordinary object edge and an accent. Record the pencil and handling you would use.

Printed examples illustrate mark types. Make your own samples to compare materials.

Guide



Object edge



Accent



Answer

One usable key is a light 2H guide, a clear HB object edge and a dark 2B accent. Include the grade and the pressure choice in each row. Keep the accent for an intentional emphasis.

Reasoning

The key keeps construction lines, outlines and selected accents distinct when you redraw the subject. Try the chosen pressure and grade on the same paper.

Check

Read the three roles under the same light and verify that each measured-by-eye choice is distinct enough for your drawing.