

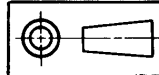
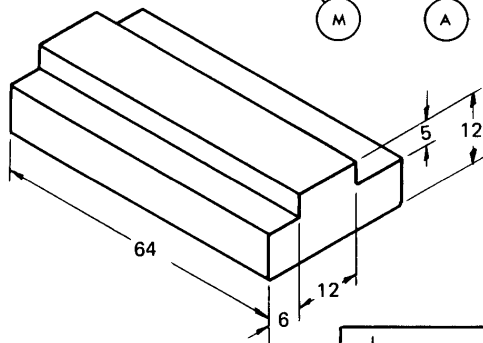
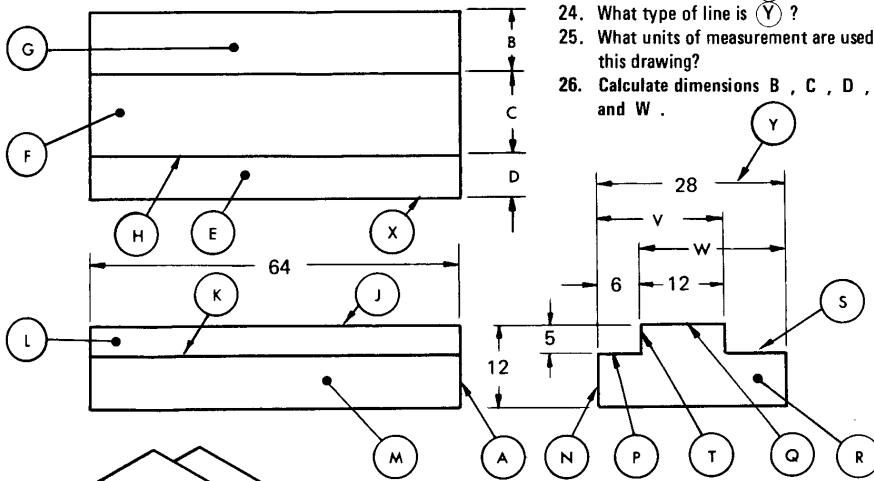


Surface Identification Challenge – Counter Clamp Bar

Answer the questions below based on the drawing below.

QUESTIONS

1. What is the name of the object?
2. What is the drawing number?
3. How many pieces are to be made?
4. Of what material is the part made?
5. What is the overall width?
6. What is the overall depth?
7. What is the overall height?
8. Which line or surface in the side view represents surface (F) in the top view?
9. Which line or surface in the side view represents surface (E) in the top view?
10. Which line or surface in the side view represents surface (G) in the top view?
11. Which line or surface in the side view represents surface (L) of the front view?
12. What is the vertical height in the side view from the surface represented by line (P) to that represented by line (Q)?
13. What is the height of the step in the side view from the bottom of the part to the surface represented by surface (E)?
14. Which two letters in the top view represent distance V in the side view?
15. The dimensions of which two letters in the top view represent distance W in the side view?
16. Which line or surface in the side view represents surface (M) in the front view?
17. What is the height of line (N)?
18. Which line or surface in the front view represents the surface (R) in the side view?
19. Which line or surface in the top view represents surface (L)?
20. Which line or surface in the front view represents surface (F)?
21. Which line or surface in the front view represents surface (E)?
22. Which line or surface in the top view represents surface (M)?
23. What type of line is (T)?
24. What type of line is (Y)?
25. What units of measurement are used on this drawing?
26. Calculate dimensions B, C, D, and W.



METRIC	
QUANTITY	2
MATERIAL	MS
SCALE	1:1
DRAWN	DATE
COUNTER CLAMP BAR	
A-4	

Answers	
1	
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22	
23	
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25	
26	B = C = D = W =