



Engineering Virtual Learning

# HS Machine Drafting Design Lesson #11

April 20, 2020

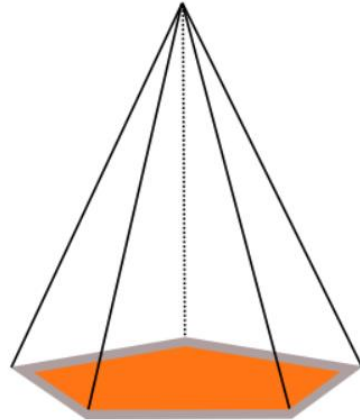


**Objective/Learning Target:**  
Students will learn to identify  
Surfaces and Edges in the  
Front, Top or Right Side  
of an Multi-View drawing.

# Bell-work:

Watch this video and identify the faces and edges of the objects.

<https://www.khanacademy.org/math/basic-geo/basic-geometry-shapes/basic-geo-geometric-solids/v/counting-faces-and-edges-of-3d-shapes>



(Copy the drawing into your engineers notebook to complete)

# Let's Get Started:

We also need to be able to identify faces and edges in the different views of an object. Draw the multi-view drawing and chart on your own paper and fill it in.

SURFACE AND EDGE IDENTIFICATION

1 In the table give numbers corresponding to letters

	TOP	FRONT	SIDE
A			
B			
C			
D			
E			
F			
G			
H			
J			
K			

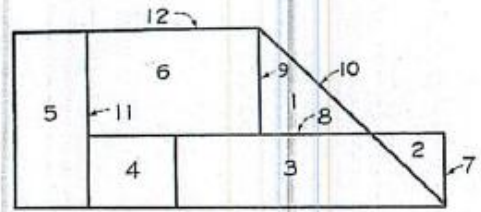
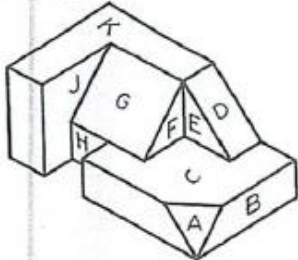
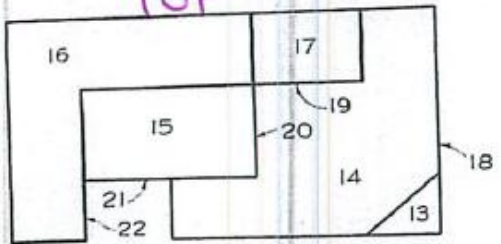
# Check For Understanding: How did you do?

## SURFACE AND EDGE IDENTIFICATION

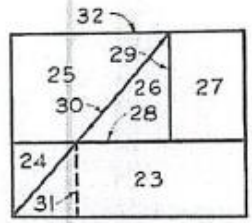
1

In the table give numbers corresponding to letters

TOP



Front



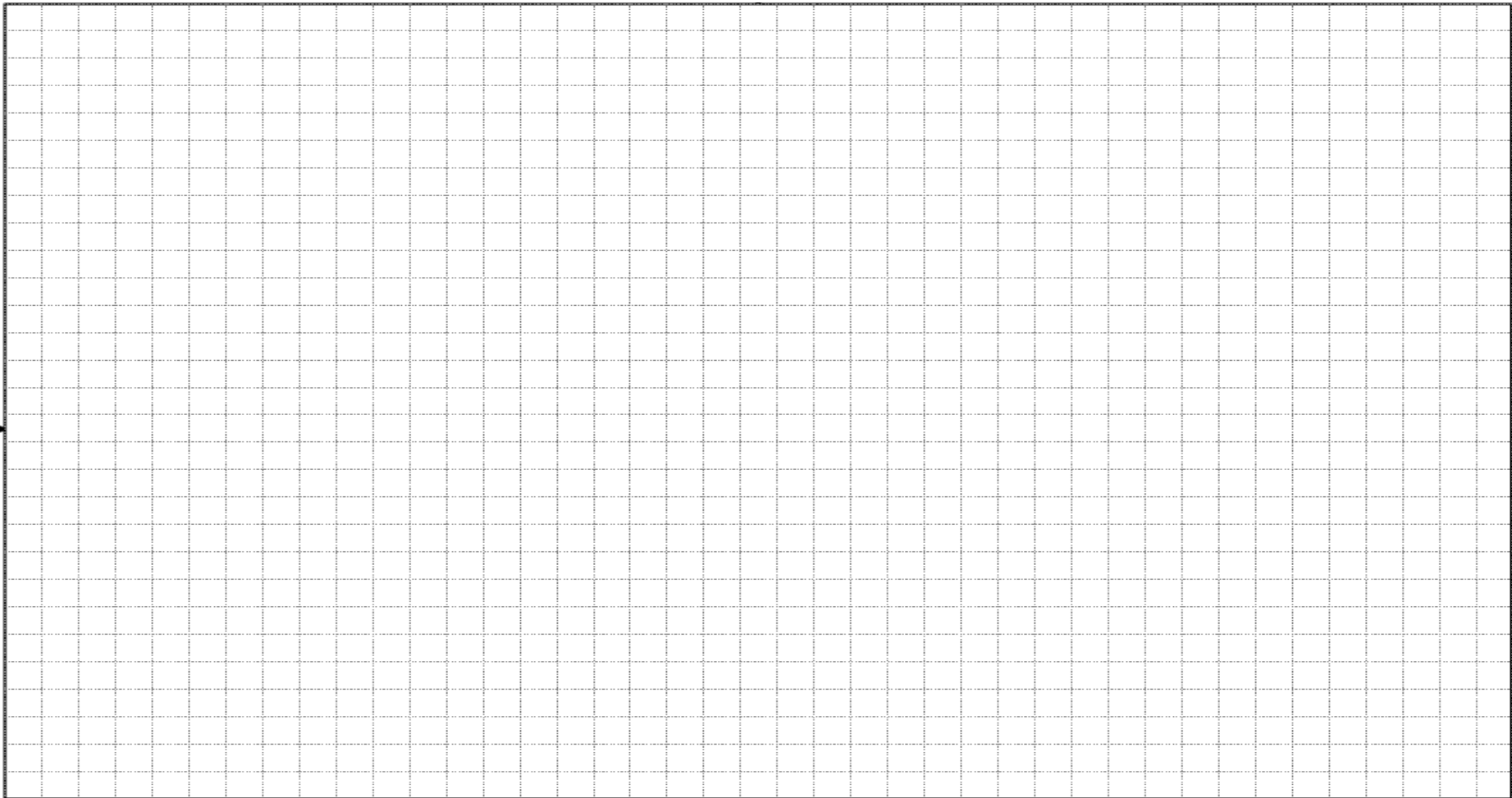
Rt Side

	TOP	FRONT	SIDE
A	13	2	24
B	18	7	23
C	14	8	28
D	17	10	27
E	19	1	29
F	20	9	26
G	15	6	30
H	21	4	31
J	22	11	25
K	16	12	32

## Learning Resource Links:

<https://www.khanacademy.org/math/basic-geo/basic-geometry-shapes/basic-geo-geometric-solids/v/counting-faces-and-edges-of-3d-shapes>

<https://www.khanacademy.org/math/basic-geo/basic-geometry-shapes/basic-geo-geometric-solids/e/identify-parts-of-3d-shapes>



**NAME**

**TITLE**

**DATE**

**PERIOD**