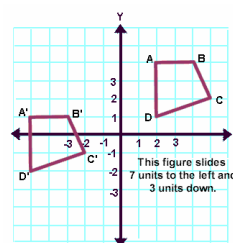
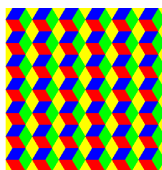
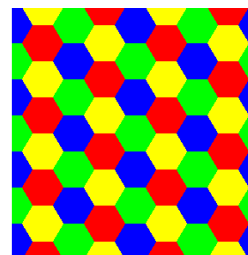
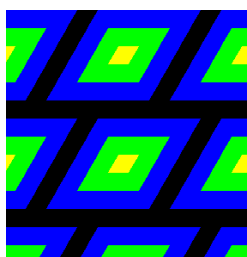
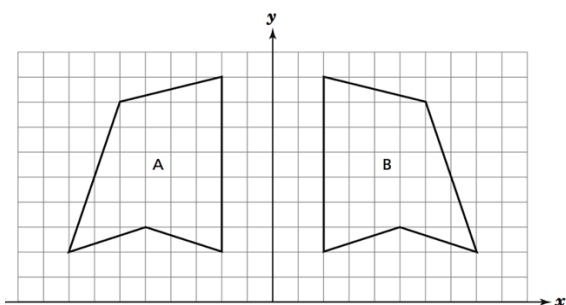


April 18, 2016

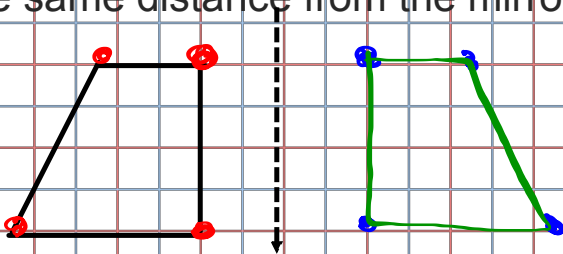


Unit 8: Geometry

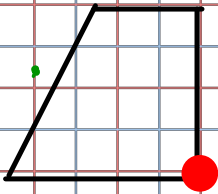


Time to review

Reflection - given the line of reflection (Mirror) place POINTS the same distance from the mirror



Rotation - redraw a picture by rotating the picture about a certain point. Rotations of 90° , 180° , 270° are easy to do. Focus on one line or use tracing paper to help.



rotate 90°

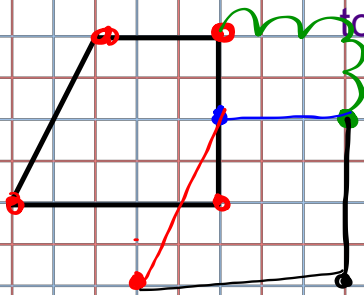
rotate 270°

rotate 180°

Translation (Slide) - uses right (R) or left (L) and up (U) or down (D)

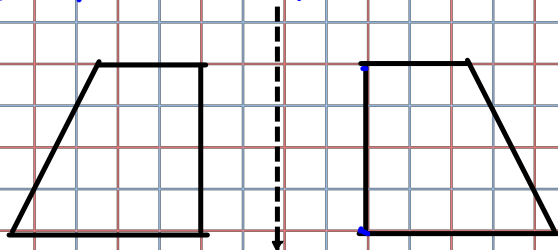
R3 D2

- Must move every point and then connect the dots

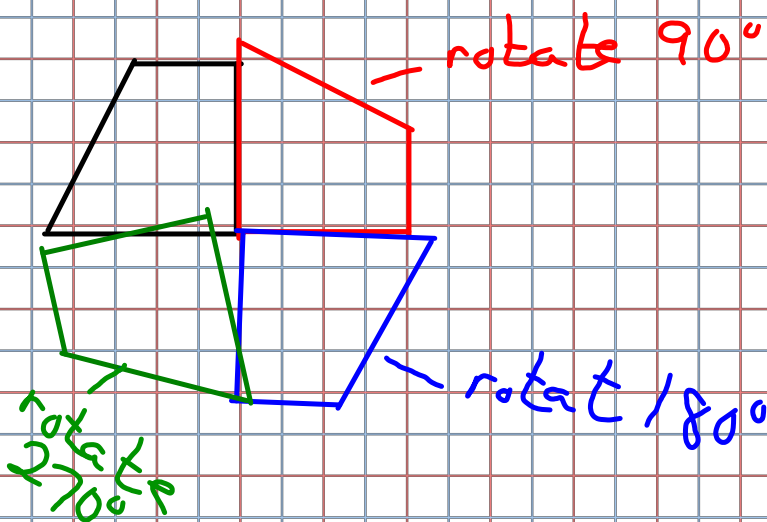


to redraw the picture

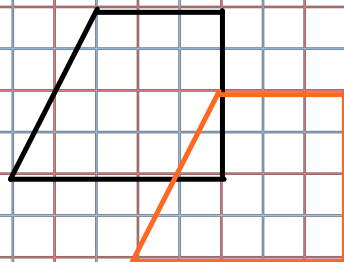
Reflection



Rotation



Translation (Slide) (R3, D2)



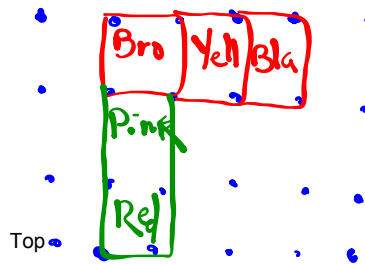
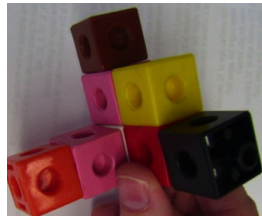
Isometric Drawings

Isometric drawings involve showing the different views, front, side and top views, for different 3D objects. It also involves drawing a **mat plan**, which is the top view but it also indicates the number of blocks in each row.

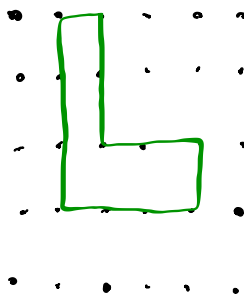
For today, we will look at the different views and mat plan.

Draw the following views for the objects that are held up:

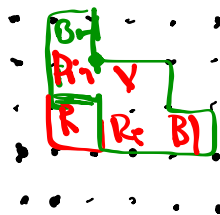
Ex 1)



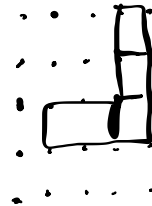
Left



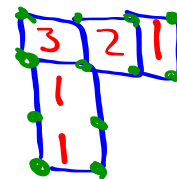
Front



Right

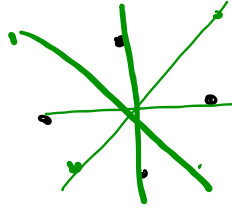


Mat Plan



Bottom





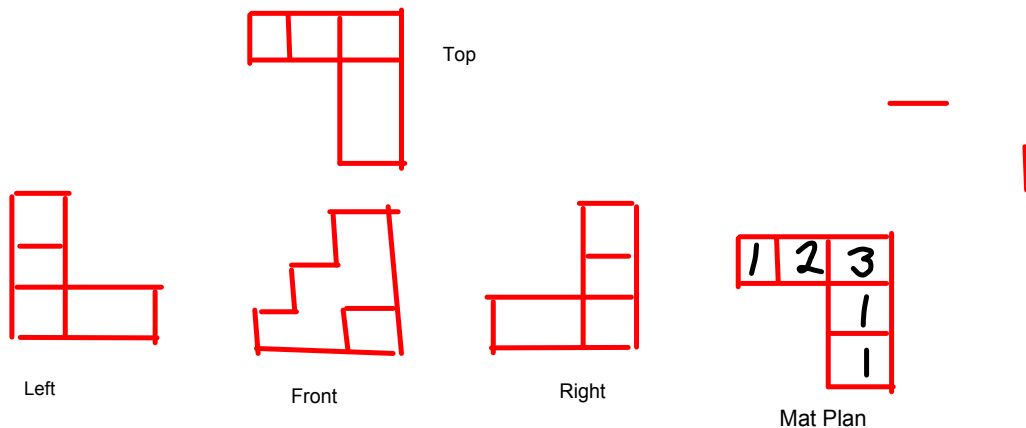
Isometric Drawings

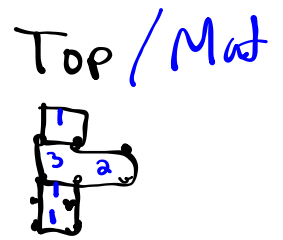
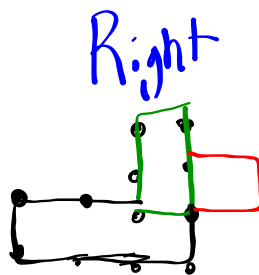
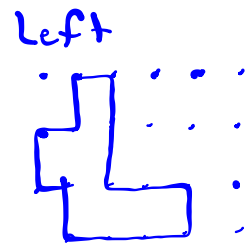
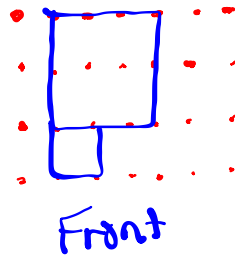
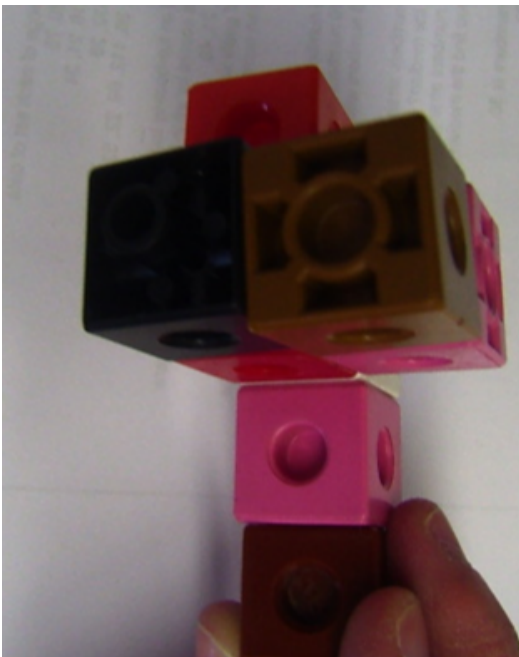
Isometric drawings involve showing the different views, front, side and top views, for different 3D objects. It also involves drawing a **mat plan**, which is the top view but it also indicates the number of blocks in each row.

For today, we will look at the different views and mat plan.

Draw the following views for the objects that are held up:

Ex 1)





Class/Homework

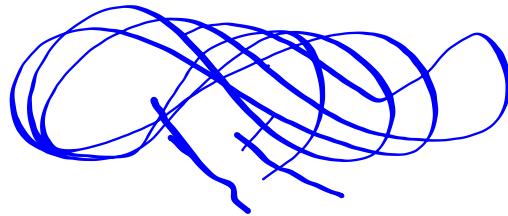
Worksheet 1

#1, #2, #4



Page 437 # 4(a,b,c)

Draw Left, Front, Right and Top and Mat Plans.



Jacobb

	Front	Right	Top	Mat Plan
a)				$\begin{matrix} 3 & 2 \\ 1 & 1 \\ 1 & 1 \end{matrix}$
b)				$\begin{matrix} 3 & 2 & 1 & 1 \\ 3 & 1 & & \\ 1 & & & \\ 1 & & & \end{matrix}$
c)				$\begin{matrix} 3 & 2 & \\ 2 & 1 & 1 \\ 1 & & \end{matrix}$
d)				$\begin{matrix} 3 & 2 & 1 \\ 2 & & 1 \\ 1 & & \end{matrix}$
e)				$\begin{matrix} 2 & 3 & 1 \\ 1 & & \\ 2 & 1 & \end{matrix}$

Attachments

WS 1 Sketching Views of Objects.pdf