



Warm Up

Grade 8

Oct. 30, 2023

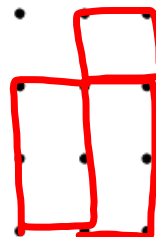
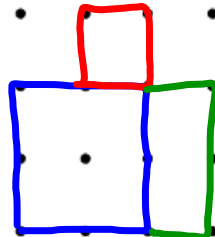
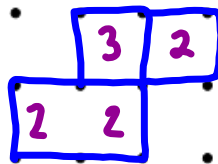
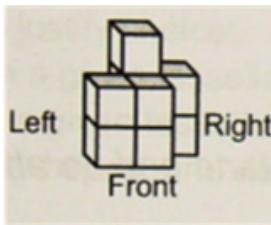


Draw the views of the front, left, right and top.

-include mat plan

9 blocks

Top/Mat



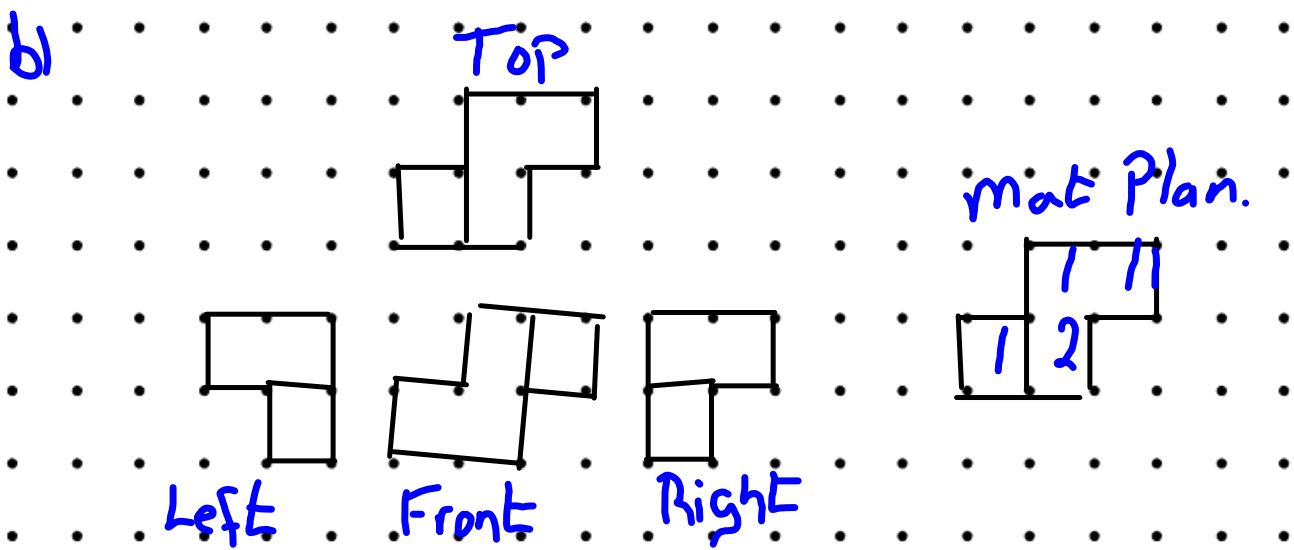
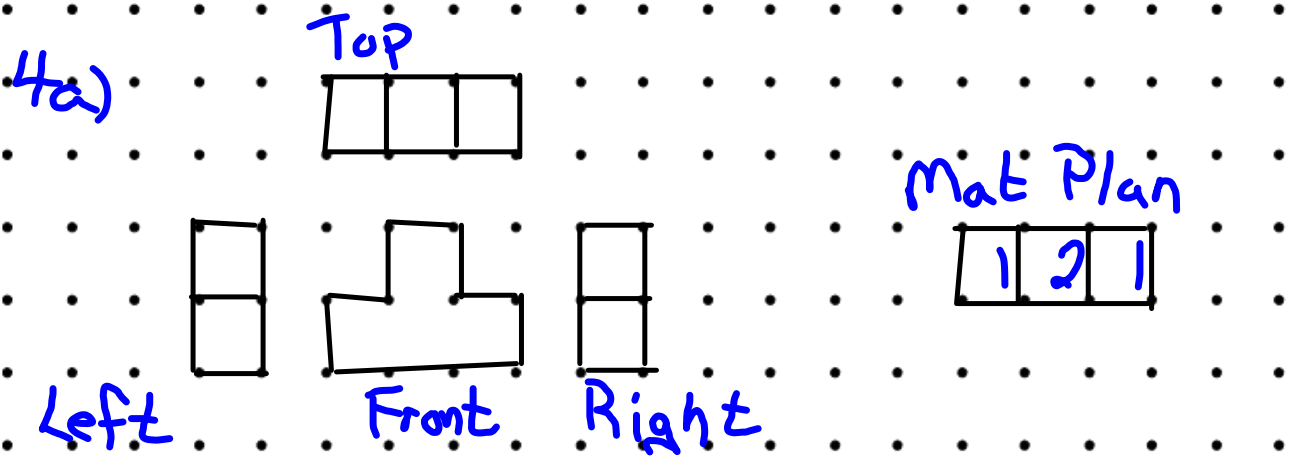
Left

Front

Right

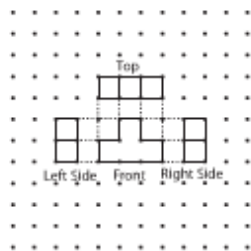
Review for assessment.

Model ~~$\frac{4}{7} \times \frac{2}{5}$~~ using the box method

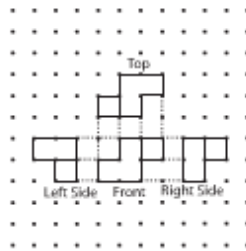


Sample Solutions

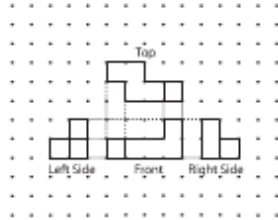
4. a)



b)



c)

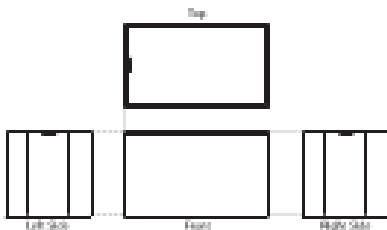


Sample Solutions

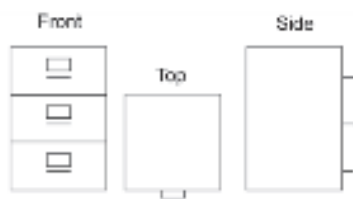
5.

	Top	Front	Back	Left Side	Right Side
A	P	N	N	N	N
B	N	N	N	Q	L
C	Q	Q	L	Q	L
D	J	Q	L	L	Q
E	K	Q	L	M	M

6.



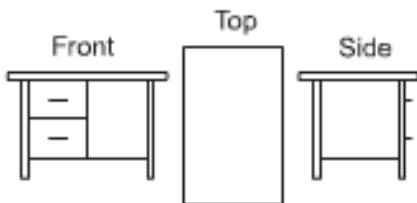
7. a)



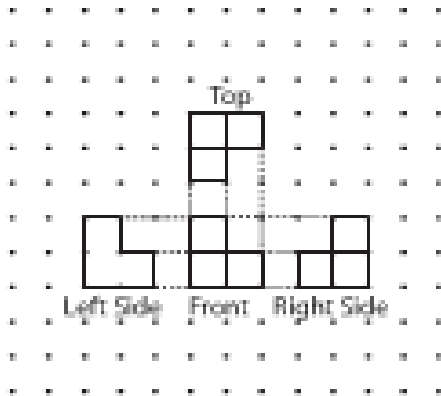
b)



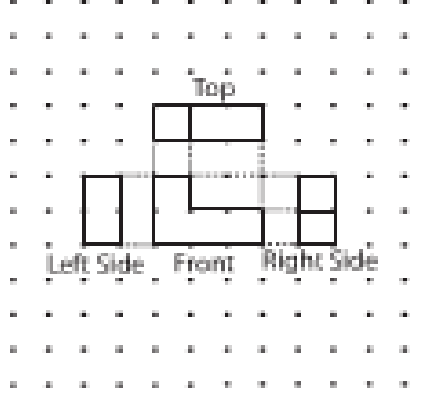
c)



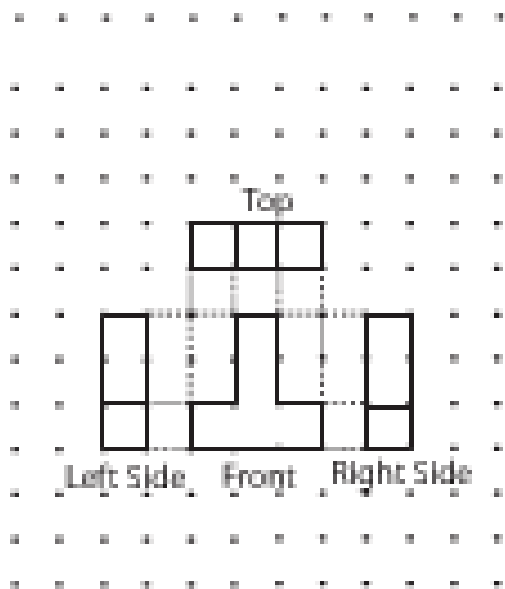
8.



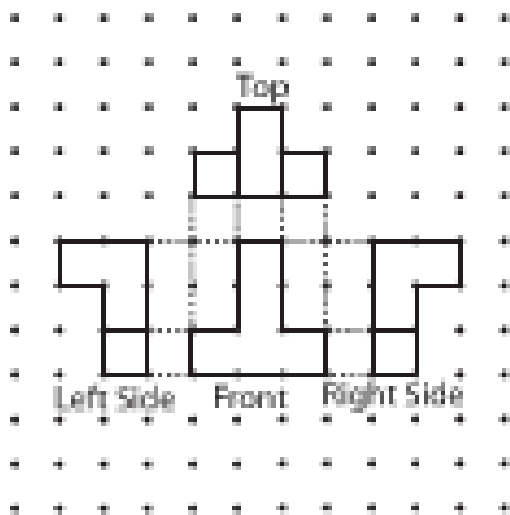
9.



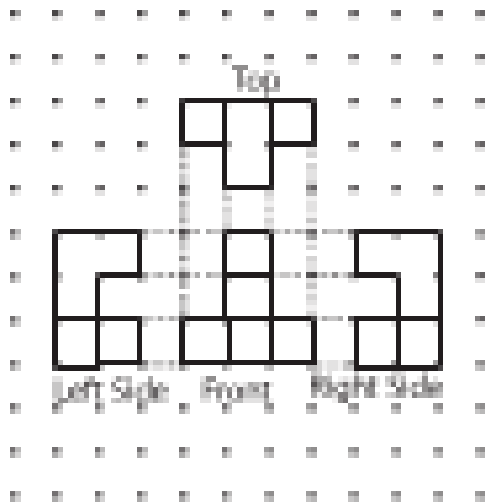
10.



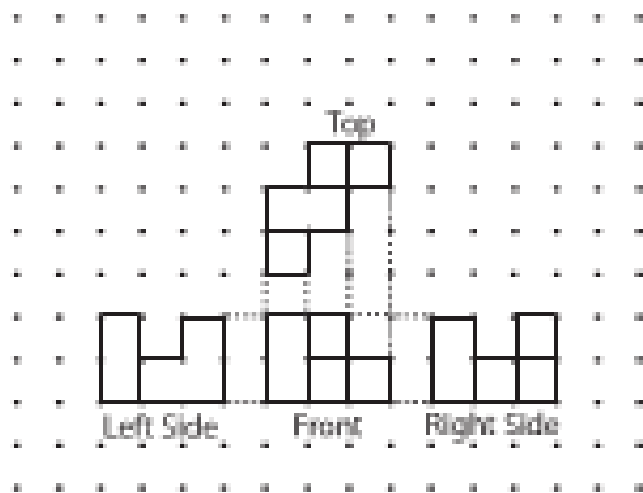
12.



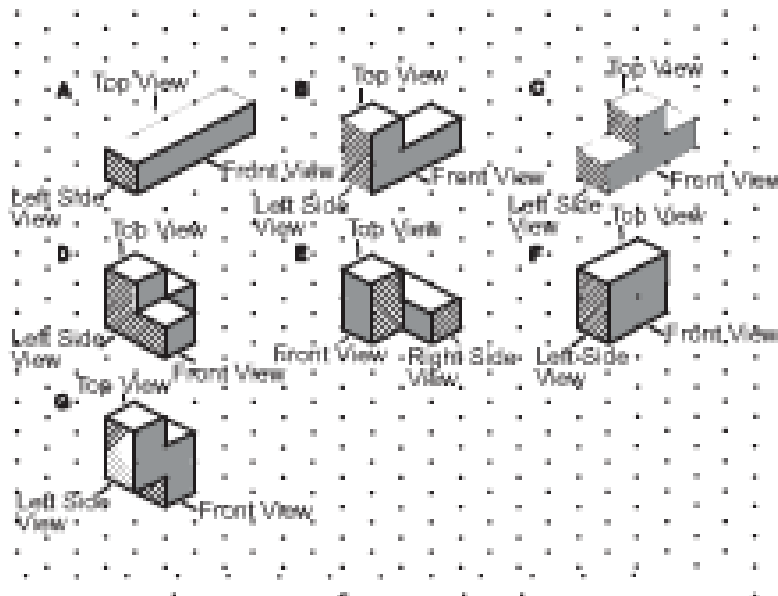
13.



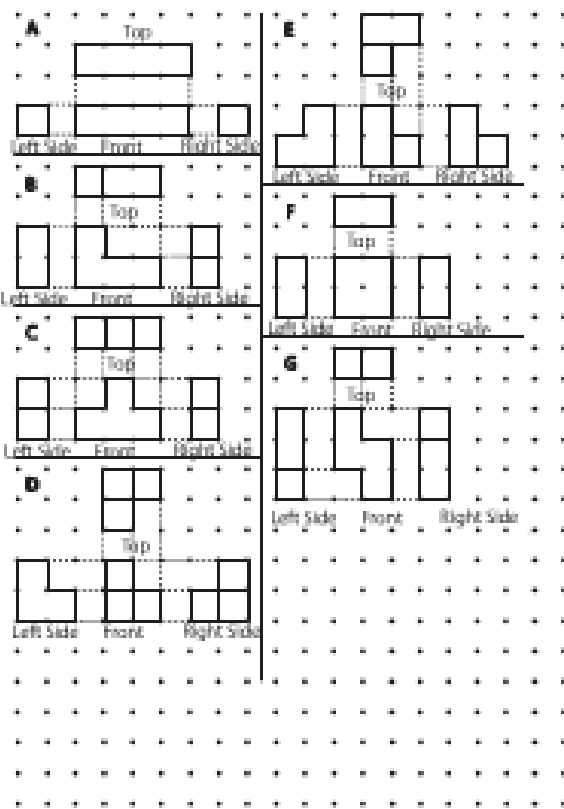
14.

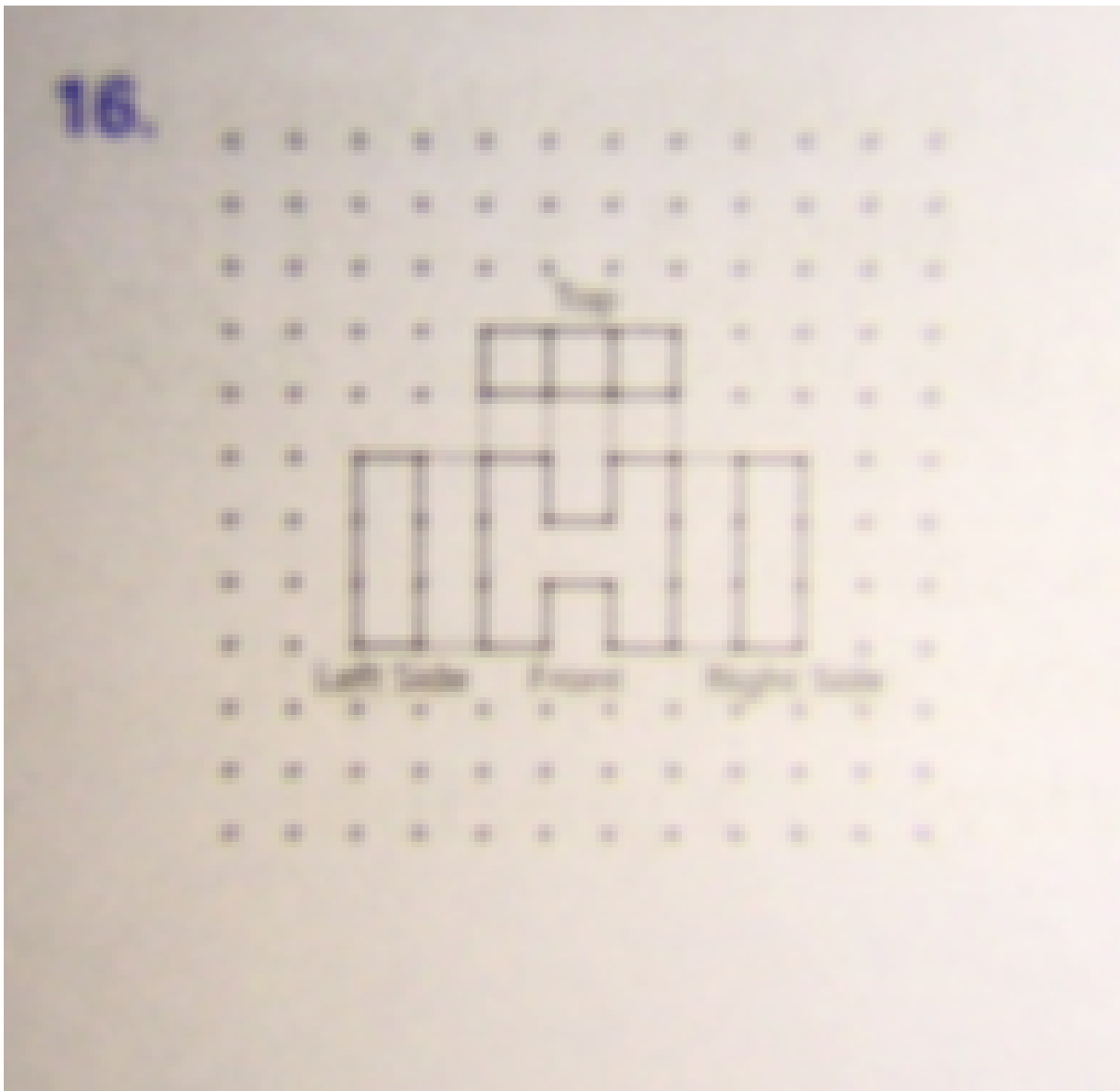


15. There are 7 possible objects.



Here are the views for each object.

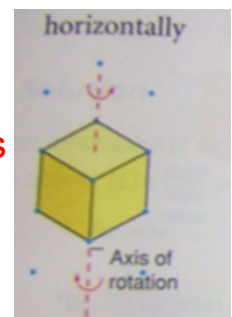






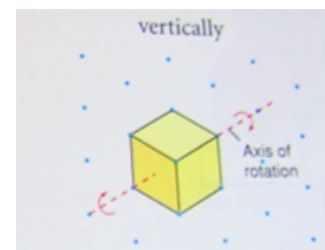
An axis can be rotated horizontally

-when an object is rotated horizontally the axis of rotations is vertical. (Can rotate clockwise or counterclockwise)



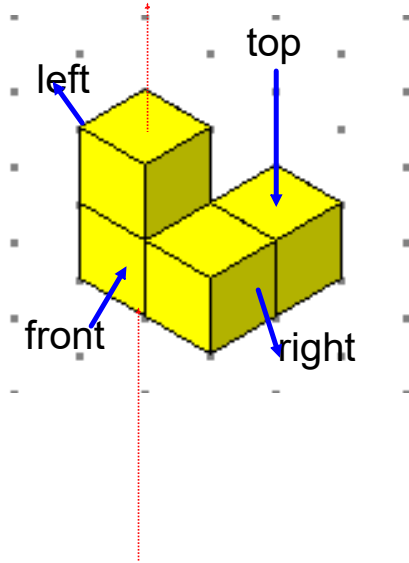
An axis can be rotated vertically

-when an object is rotated vertically the axis of rotations is horizontal. (Can rotate towards or away from you)



Always build then rotate

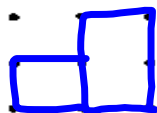
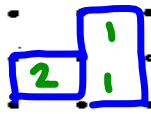
Draw the views (But let's put them in relation to each with the front in the center)



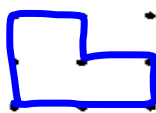
Square Dot Paper Grid Master

Top/Map

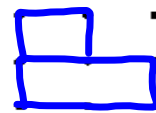
Top/Map



Left

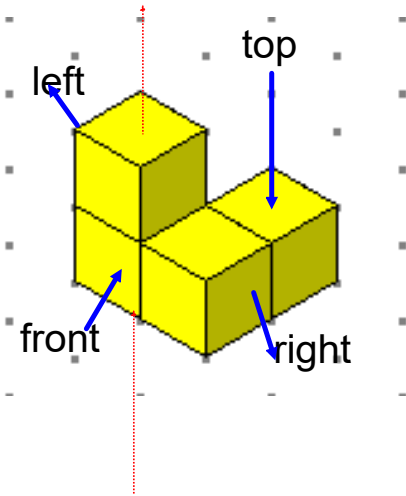


Fr



Right

Same as last page but let's rotate horizontally 180° . Now draw the views over (New front, new top, new left, new right)



Square Dot Paper Grid Master

New Top/Map

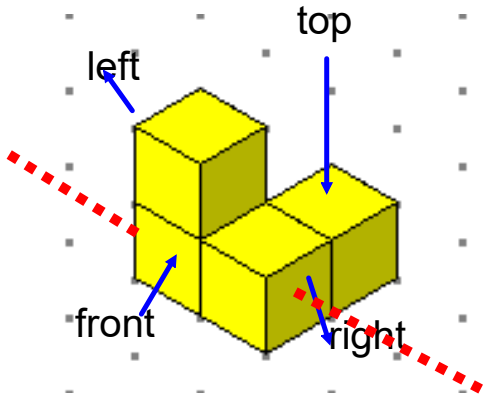
New Left

New Top/Map

New Front

New R

Draw the views after we rotate vertically about the axis 180° .

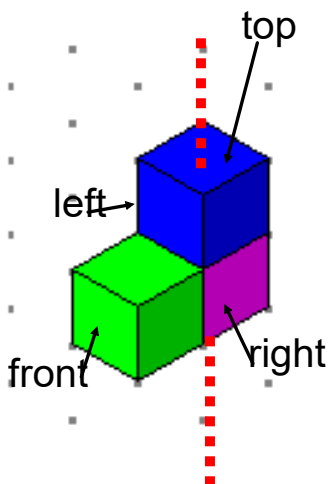


Square Dot Paper Grid Master

New Top/Map

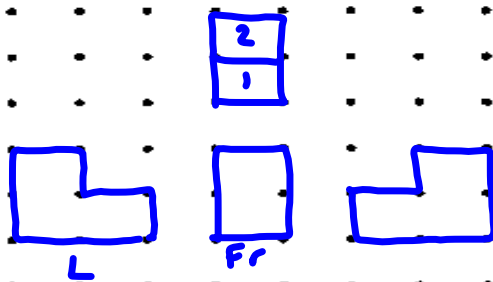
New Left New Front New R.

Draw the views after we rotate horizontally 270° . (Which is the same as 90 degrees counterclockwise)



Square Dot Paper Grid Master

Original



New Top/Mat



Class/Homework

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#3, #4, ~~#5~~, 6, #7, #8, #9

3a) 270° clockwise (90° counter clockwise)

b)
c)

4a) NF →
NL →
NR →
NT →

4b) NF →
NL →
NR →
NT →

