Warm Up

Grade 8

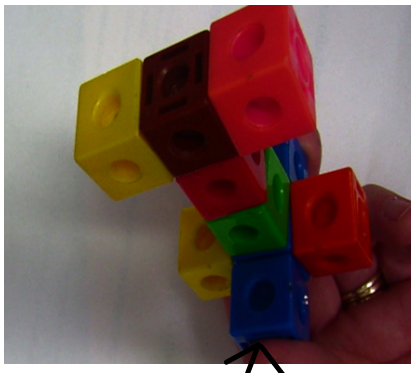
Oct. 20, 2020

TEST Tomorrow(Oct. 21)

Part 1

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

-include mat plan (Use blocks if you need it)



front

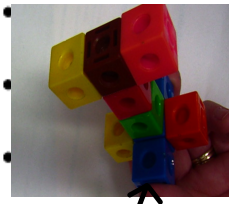
Part 2) Rotate the object 90° clockwise and redraw the views and mat

Warm Up solutions

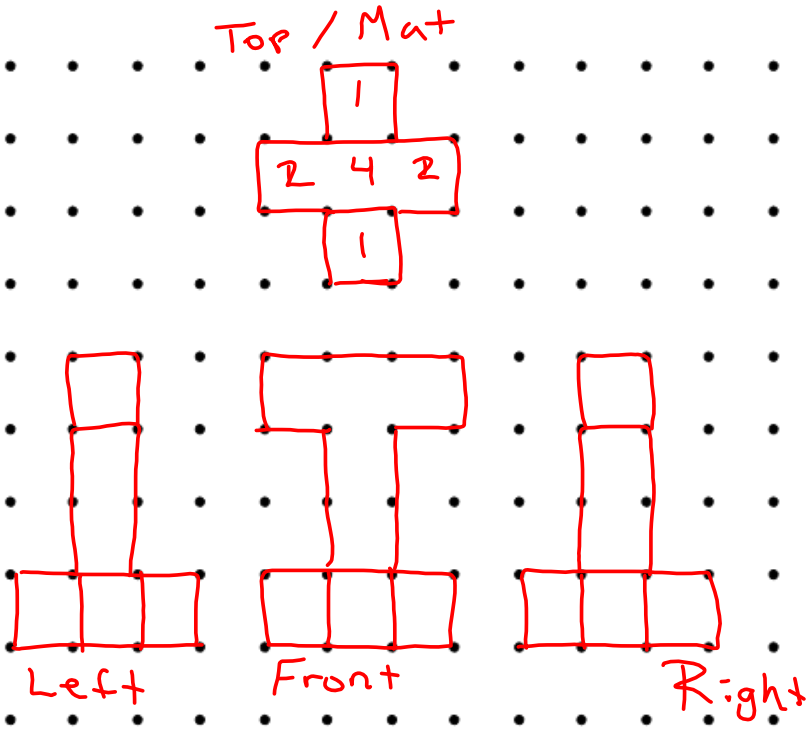
Part 1

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

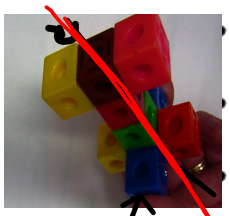
-include mat plan (Use blocks if you need it)



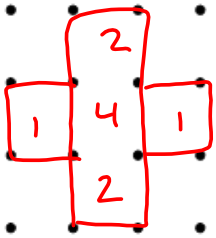
front

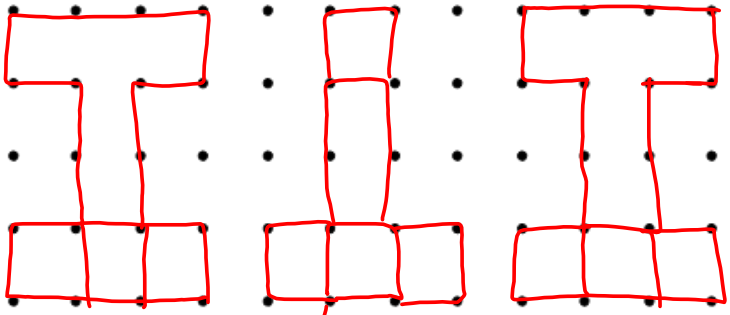


Part 2) Rotate the object 90° clockwise and redraw the views and mat



New top / Mat





Page 444 - 446

#3, #4a,b, #5, #7b, #8a,b, #9b

HW from Wed

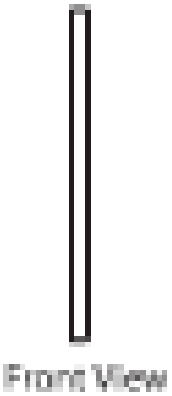
Discuss the Ideas

1. Yes, when an object is rotated vertically 90° toward you, it will end up in the same position as when the same object is rotated vertically 270° away from you. So, the views of the object after each rotation will be the same.
2. I think the object must be a cube because no matter how I rotate a cube, its views are always the same.

6)

3. a) The object was rotated horizontally 90° counterclockwise, or 270° clockwise.
   b) The object was rotated horizontally 180°.
   c) The object was rotated horizontally 90° clockwise, or 270° counterclockwise.

- **4.** a) Front view: B; Top view: E; Right side view: A; Left side view: A
  b) Front view: G; Top view: C; Right side view: D; Left side view: F
- **5.** The object is symmetrical.
- **6.**



Page 444 - 446

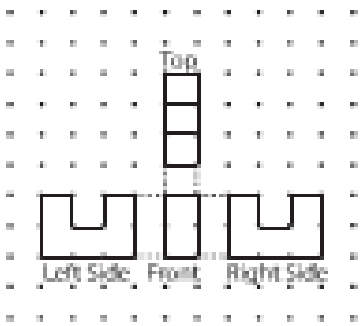
#3, #4a,b, #5, #7b, #8a,b, #9b

Page 444 - 446

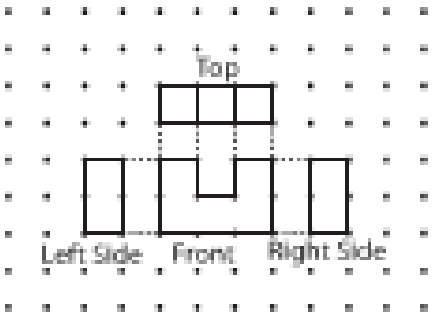
#3, #4a,b, #5, #7b, #8a,b, #9b

7. a) Predictions may vary.

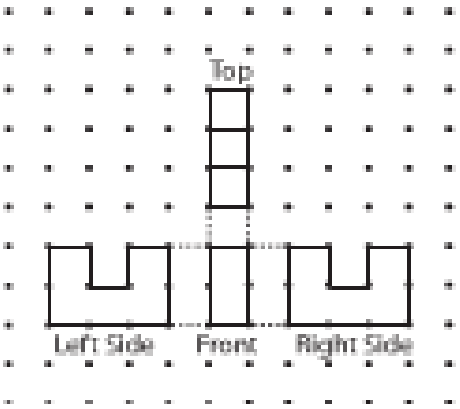
b) i)



ii)



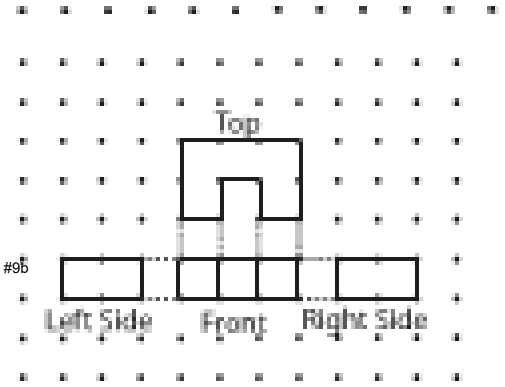
iii)



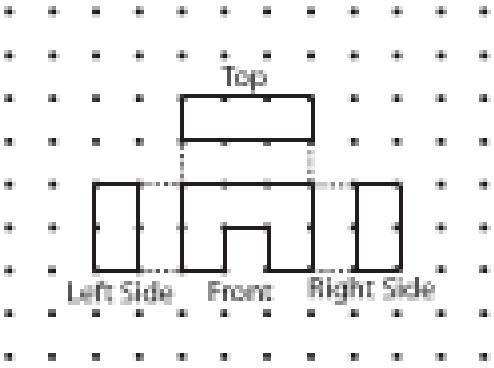
8. a)

Page 444 - 446

#3, #4a,b, #5, #7b, #8a,b, #9b



b)

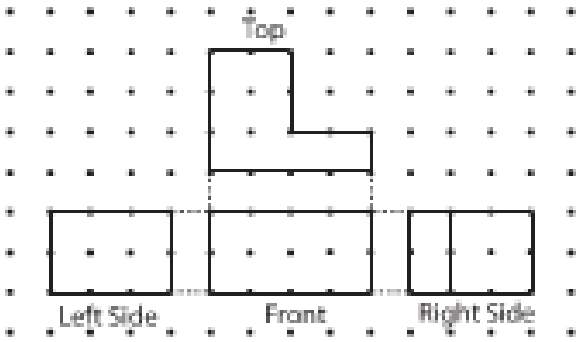


Page 444 - 446

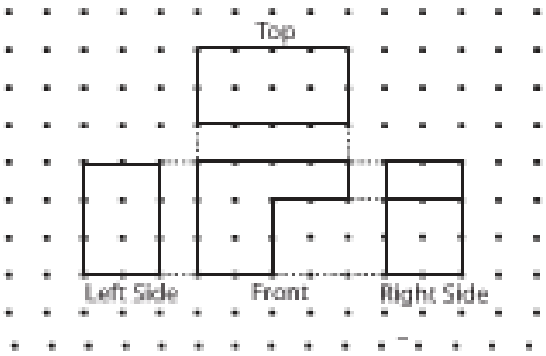
#3, #4a,b, #5, #7b, #8a,b, #9b

9. a) Predictions may vary.

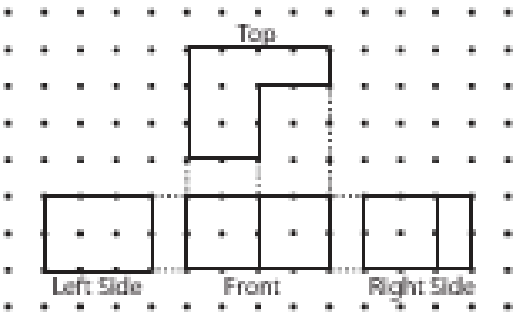
b) i)



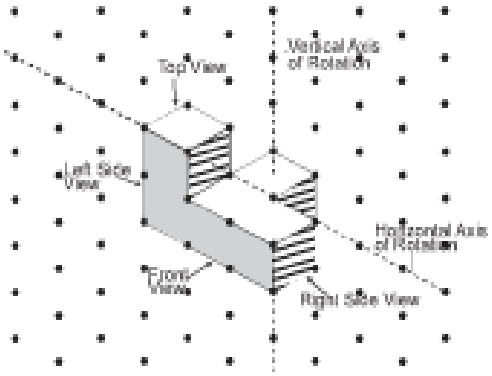
ii)



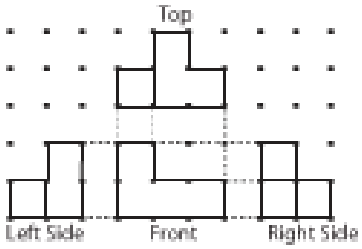
iii)



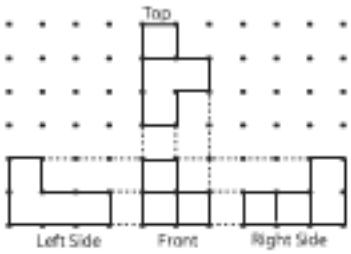
10. Answers will vary depending on object built.



a)

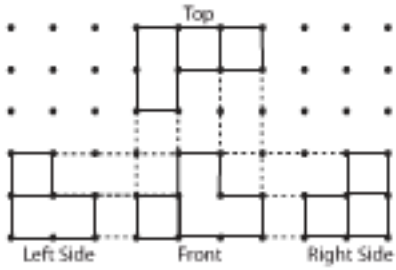


b) I chose a horizontal rotation of 90° clockwise.



c) A horizontal rotation of 270° counterclockwise

d) I chose a vertical rotation of 90° toward me.

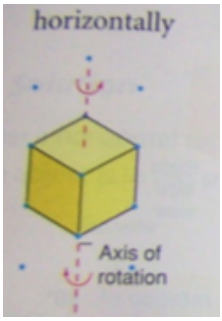


e) A vertical rotation of 270° away from me

Remember

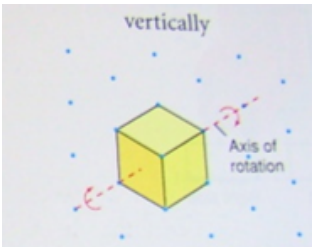
An axis can be rotated **horizontally**

-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)

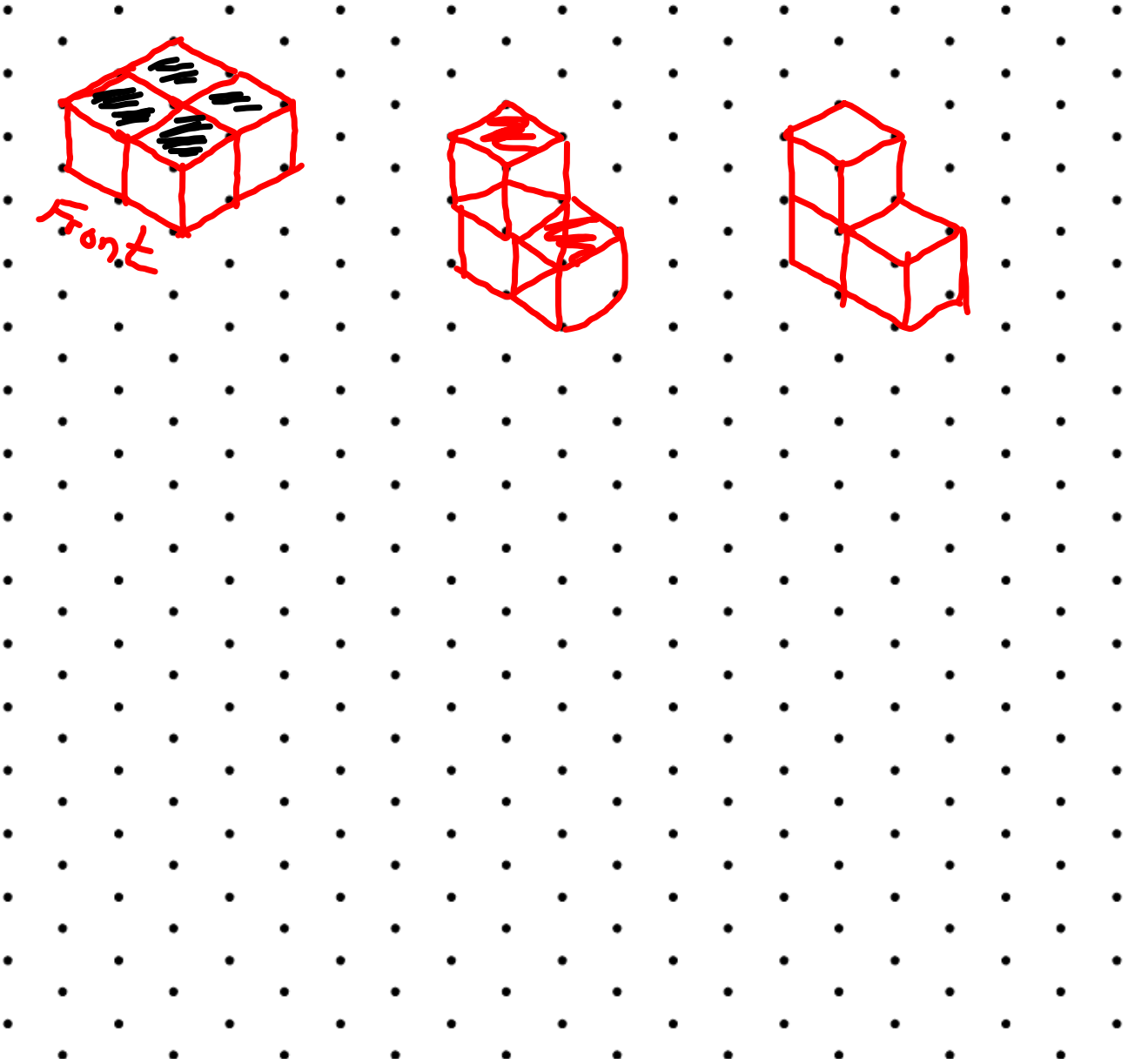


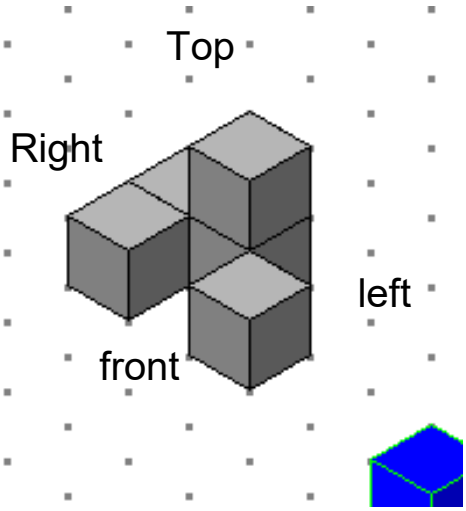
Always build then rotate

Worksheet 8.2 Drawing rotated views

TEST Thursday Oct. 21

Worksheet 8.2 Solutions


Front


Top
Right
left
front

Attachments

Grade 8 Unit 8 Geom Extra Practice 1 & 2 Answers.pdf

Grade 8 Unit 8 Iso Views of rotated object Extra Practice.pdf