

Day 15

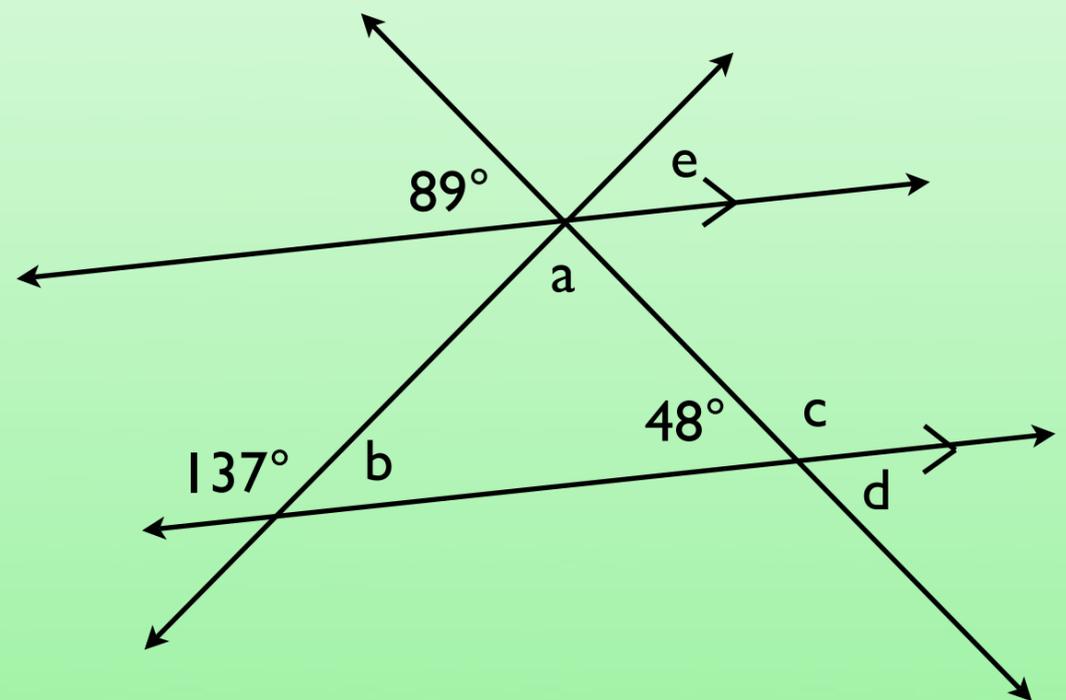
1. Opener

- Draw an isosceles trapezoid, a trapezoid, a square, and a kite.
- Calculate the measure of all unknown angles in the figure.

What is the 2007th term of the following sequences:

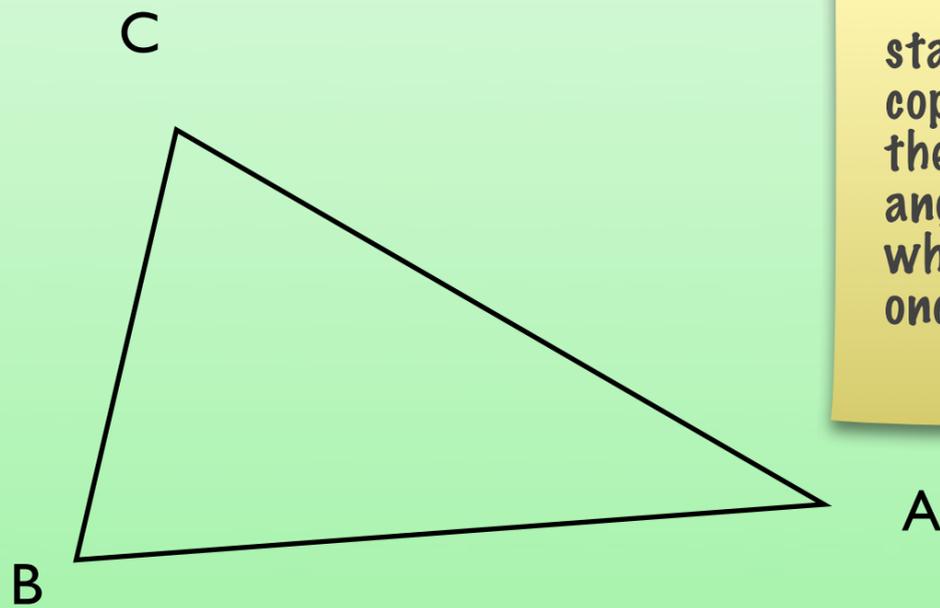
- $4, 13, 22, 31, 40, \dots$
- $121, 100, 79, \dots$
- What is the most popular seafood in America?

start li'l book of constructions earlier

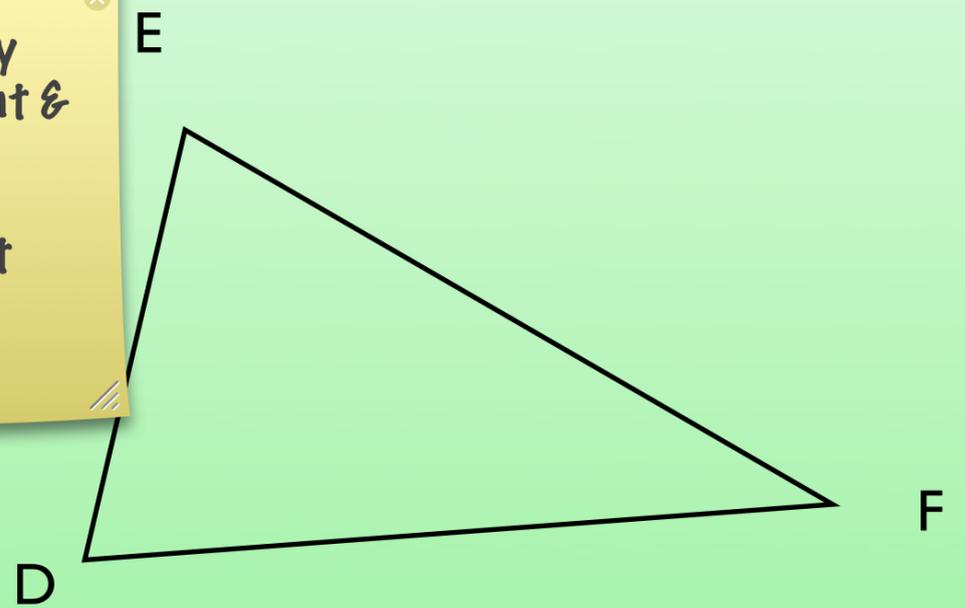


1. Pass Back Tests

2. Notes - Constructions

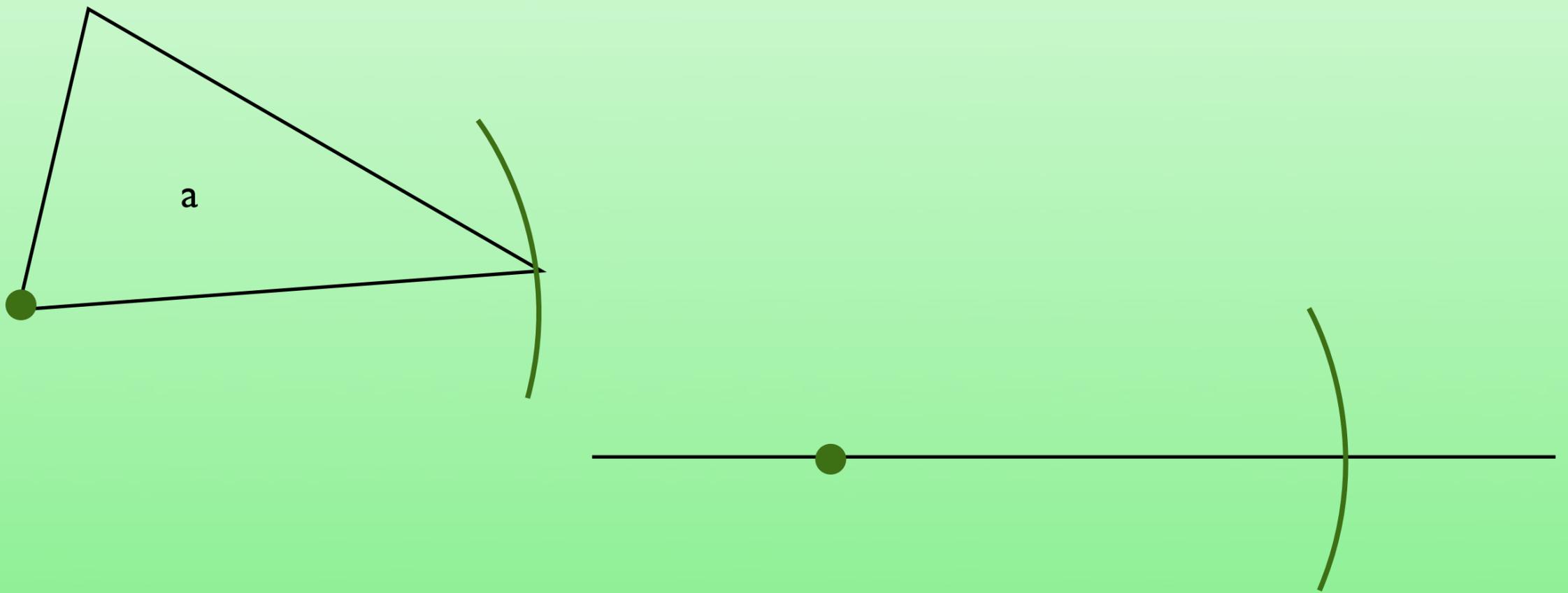


start them off by copying a segment & then copying an angle. not the whole shebang at once.



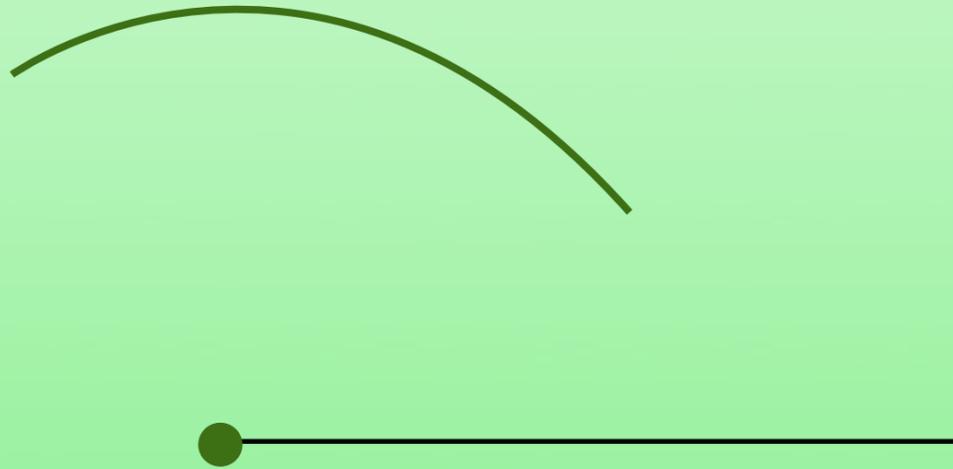
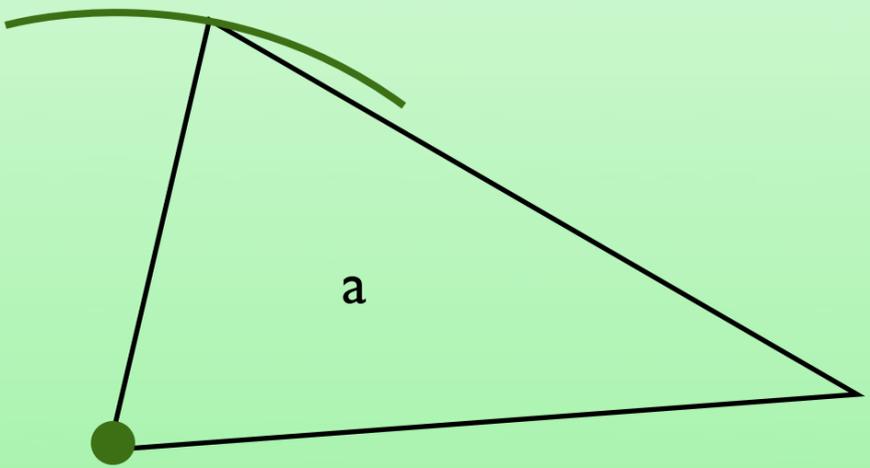
How would you duplicate this triangle somewhere else? What tools would you use?

2. Notes - Constructions



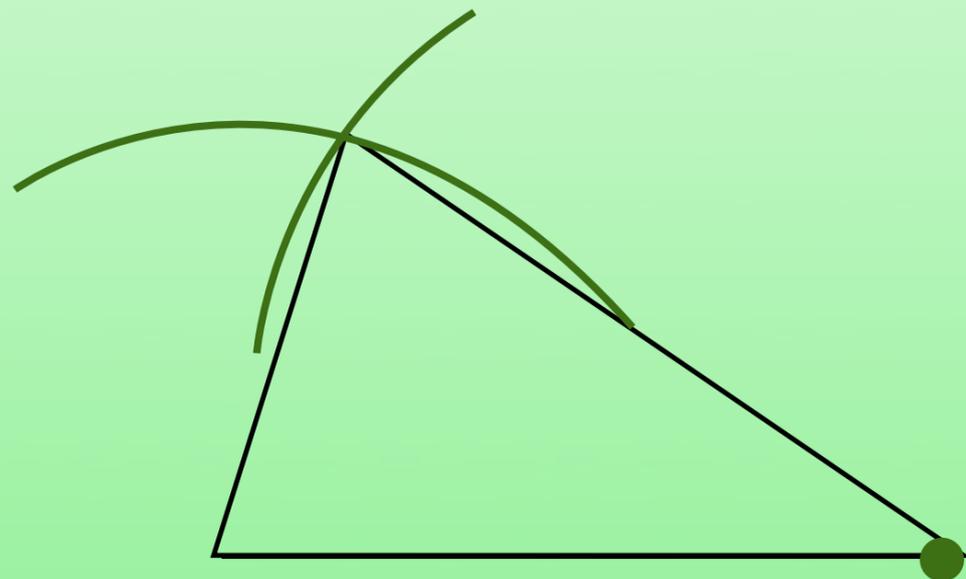
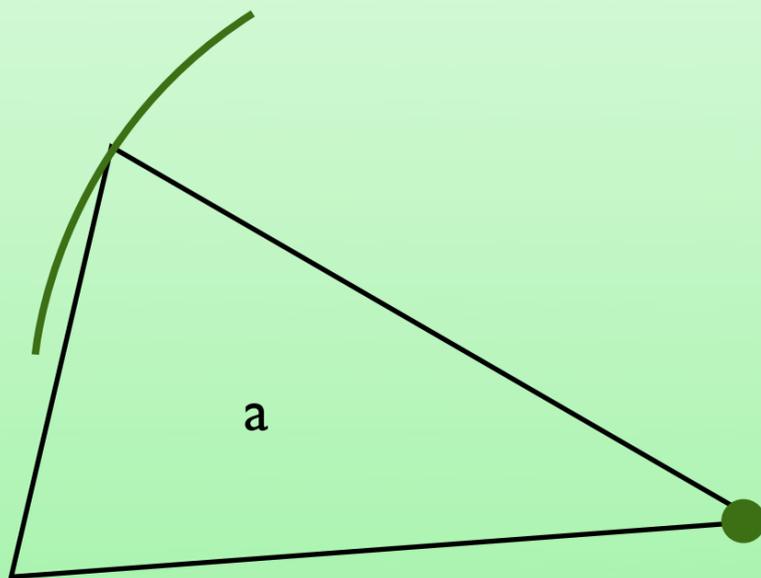
Okay so I'm only giving you this compass and this straight edge. Not even a ruler. Construct a baseline that's LONGER than what you think you'll need.

2. Notes - Constructions



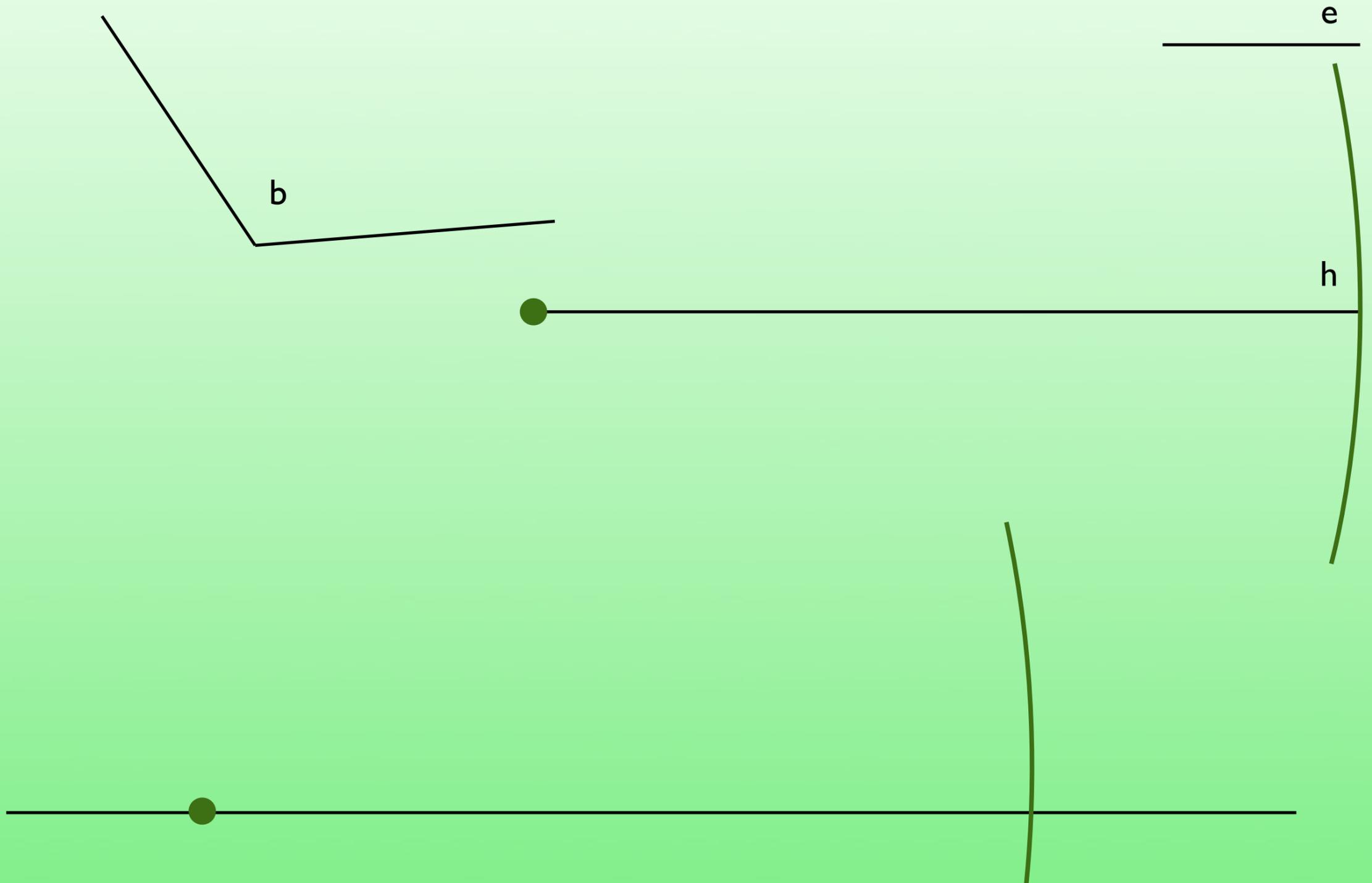
Do this one yourself.

2. Notes - Constructions



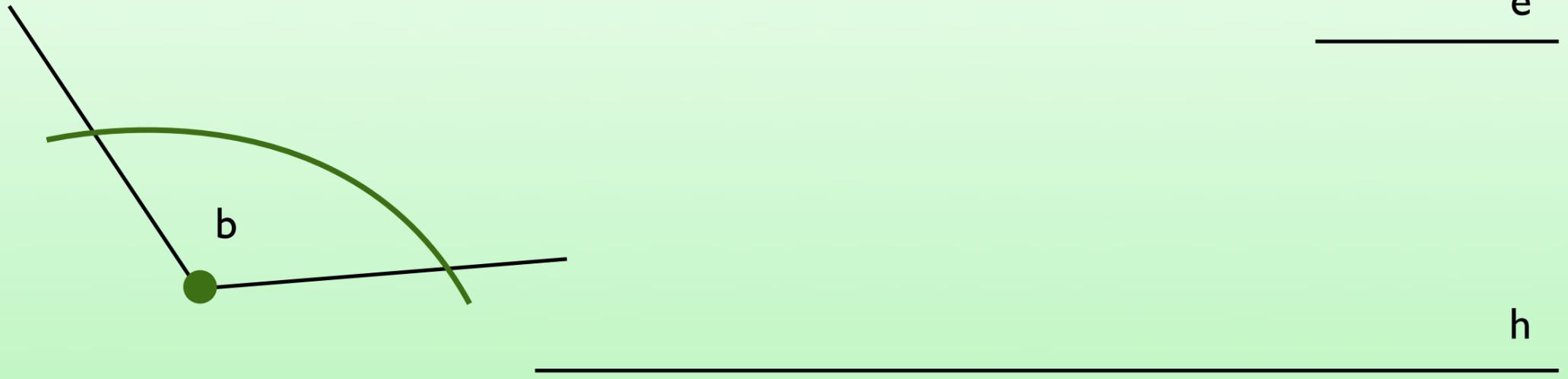
Do this one yourself.

2. Notes - Constructions



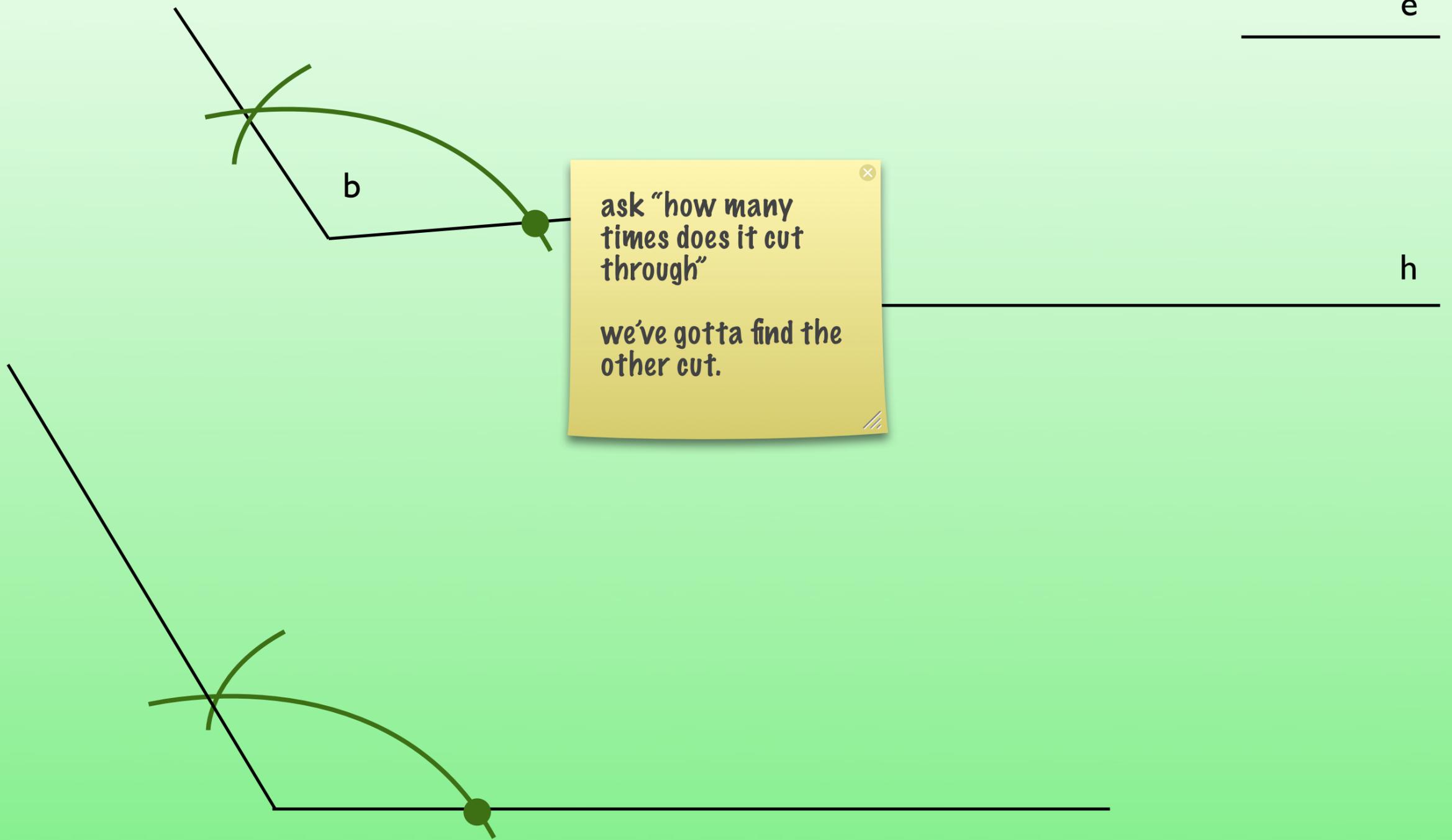
Have them estimate what the triangle will look like.

2. Notes - Constructions



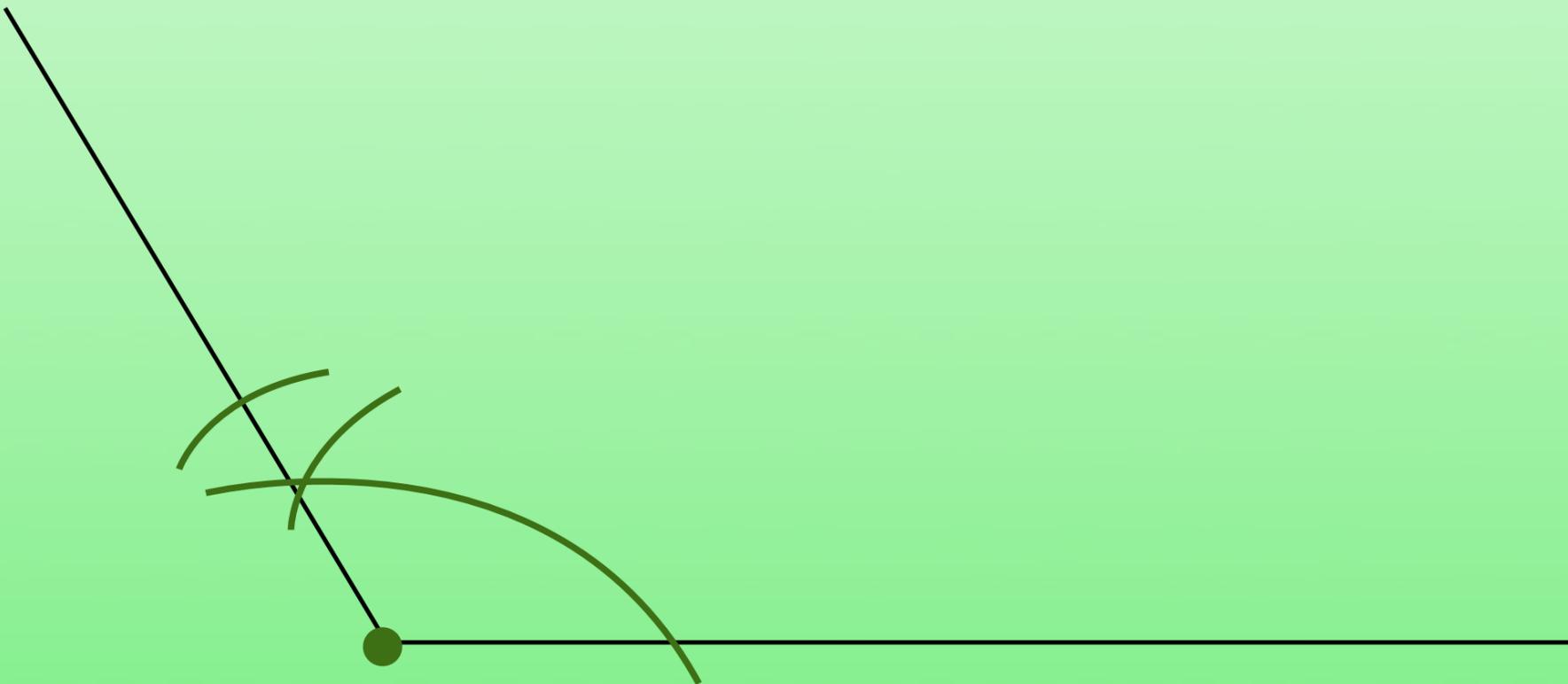
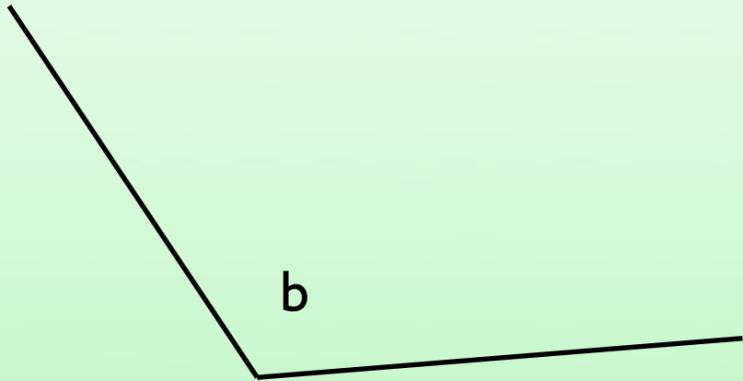
Do this one yourself.

2. Notes - Constructions



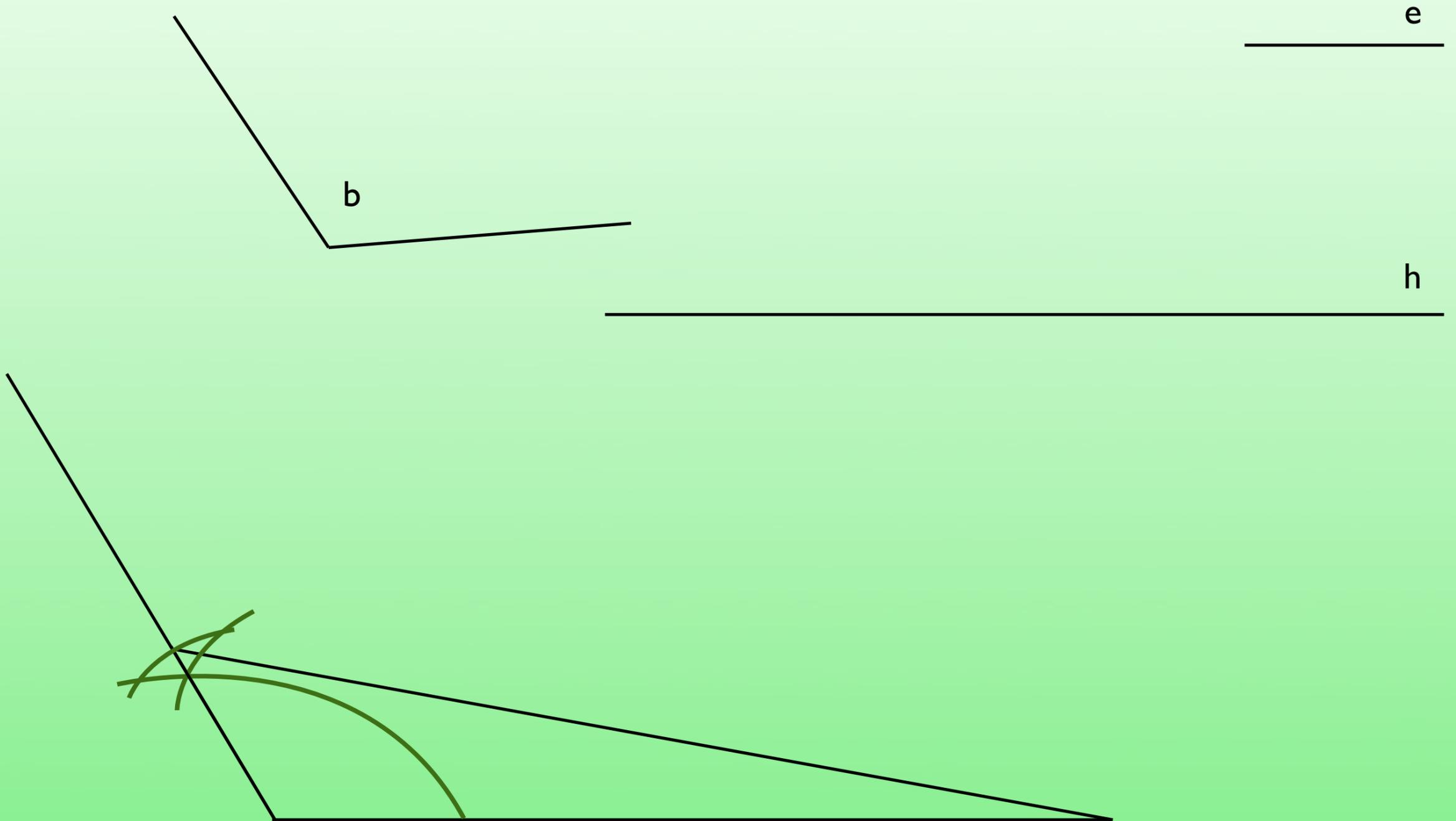
Do this one yourself.

2. Notes - Constructions



Do this one yourself.

2. Notes - Constructions



Do this one yourself.

3. Classwork - Constructions Worksheet

4. Break

5. Show and Tell

6. Classwork

pg. 145 // #1 - 8, 12

Day 16

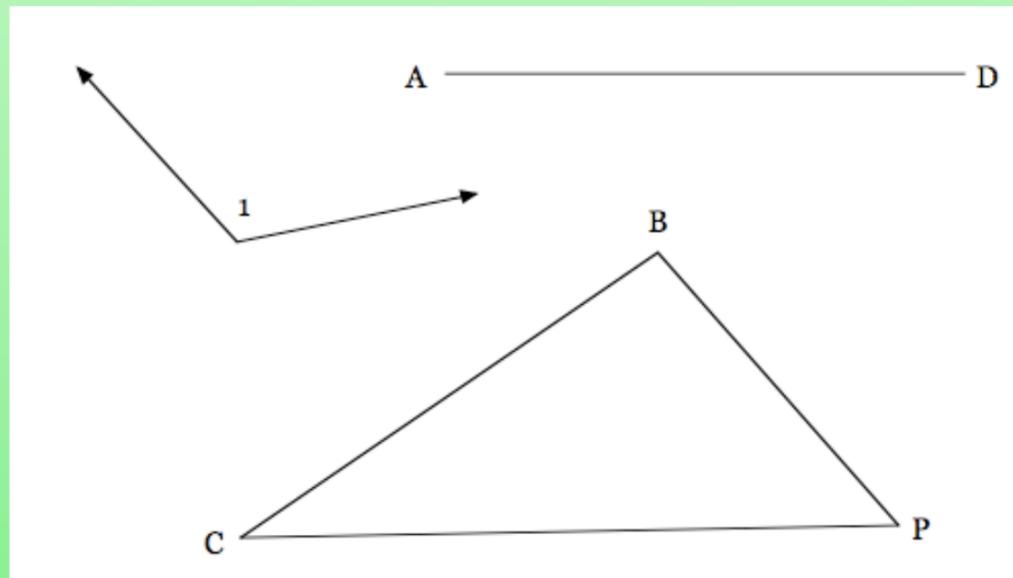
1. Opener

- Copy angle 1 to your opener page.
- Copy segment AD to your opener page.
- Copy triangle CBP to your opener.

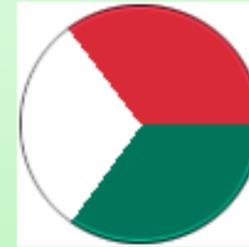
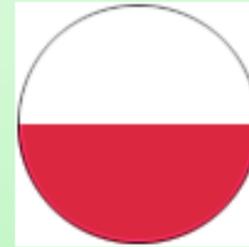
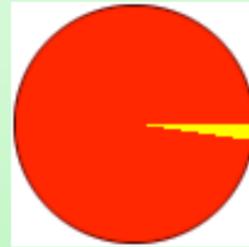
Find the 2007th term.

d) $\frac{2}{9}, \frac{2}{3}, \frac{10}{9}, \frac{14}{9}, \dots$

- When was the first cell phone call placed?



2. Information Design



Canada

Italy

Germany

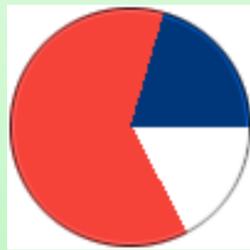
China

Greenland

Mexico

Japan

2. Information Design



Norway



United States



Australia



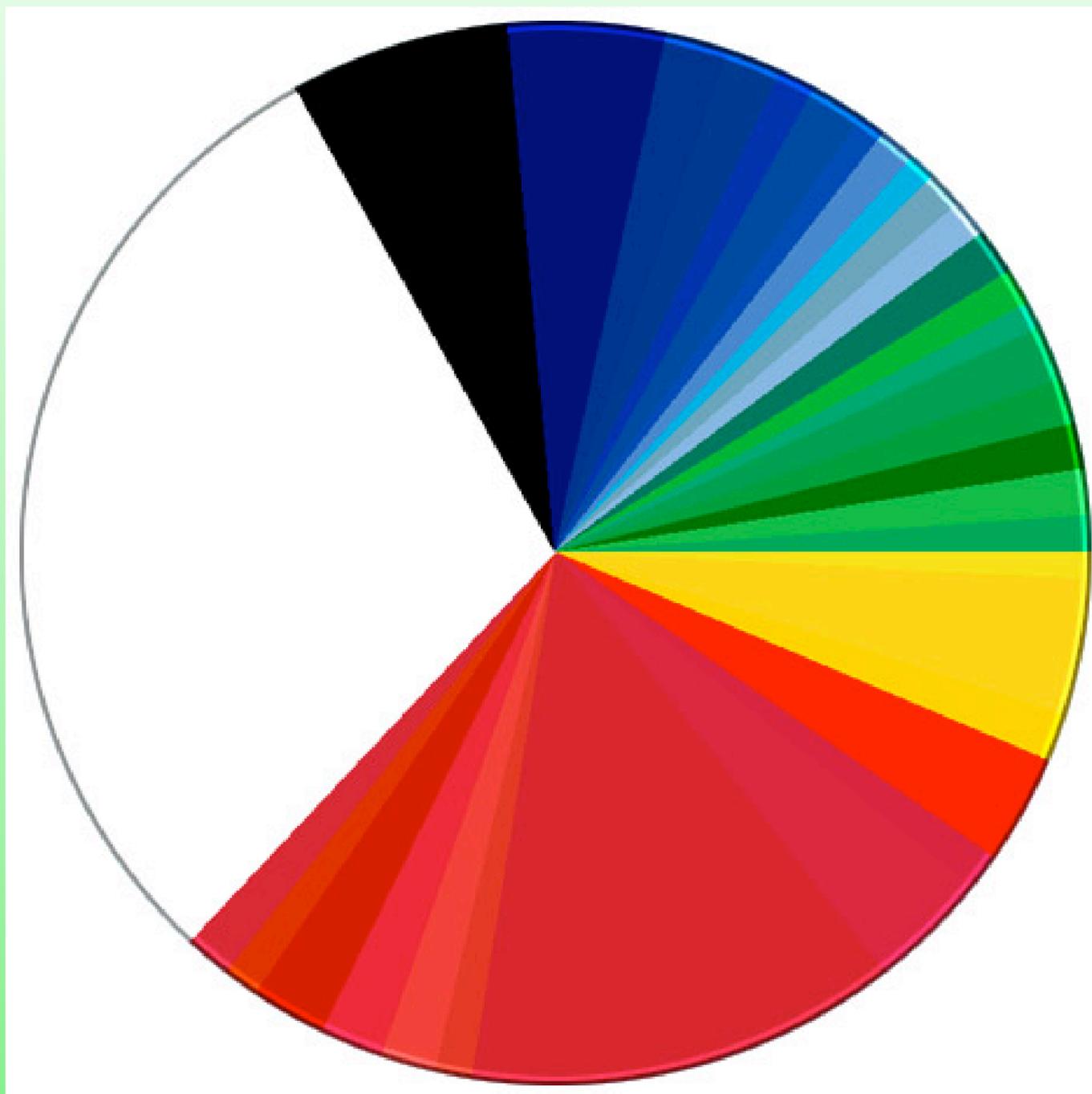
France



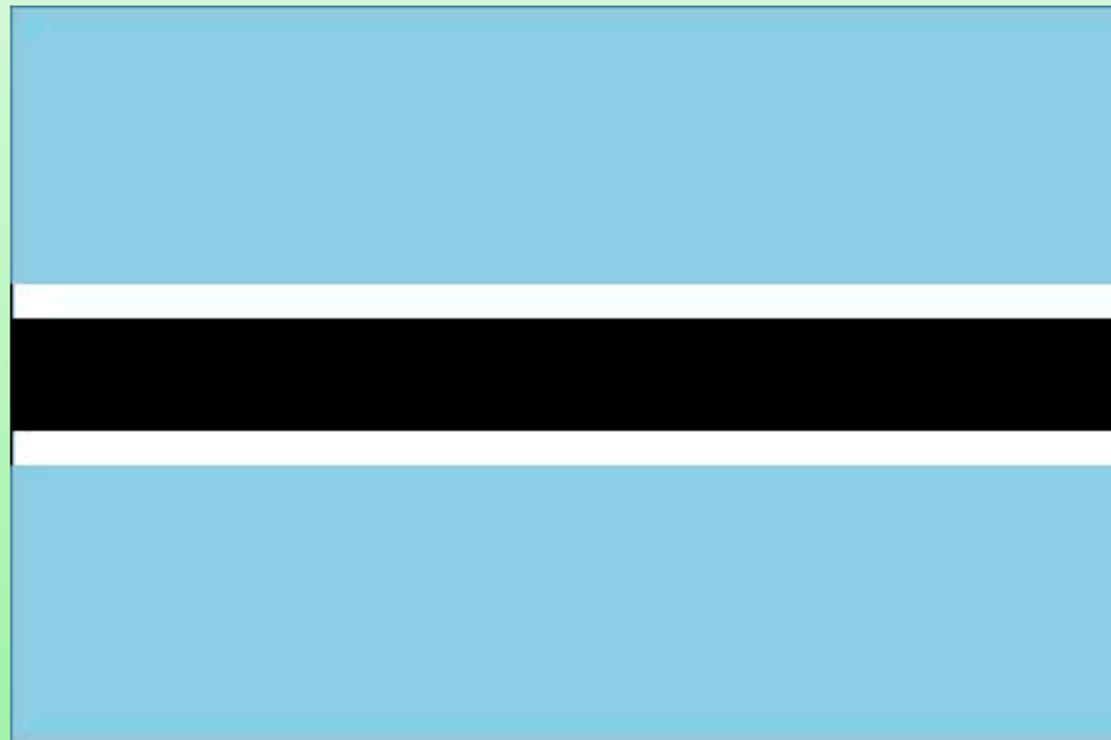
Chile



2. Information Design

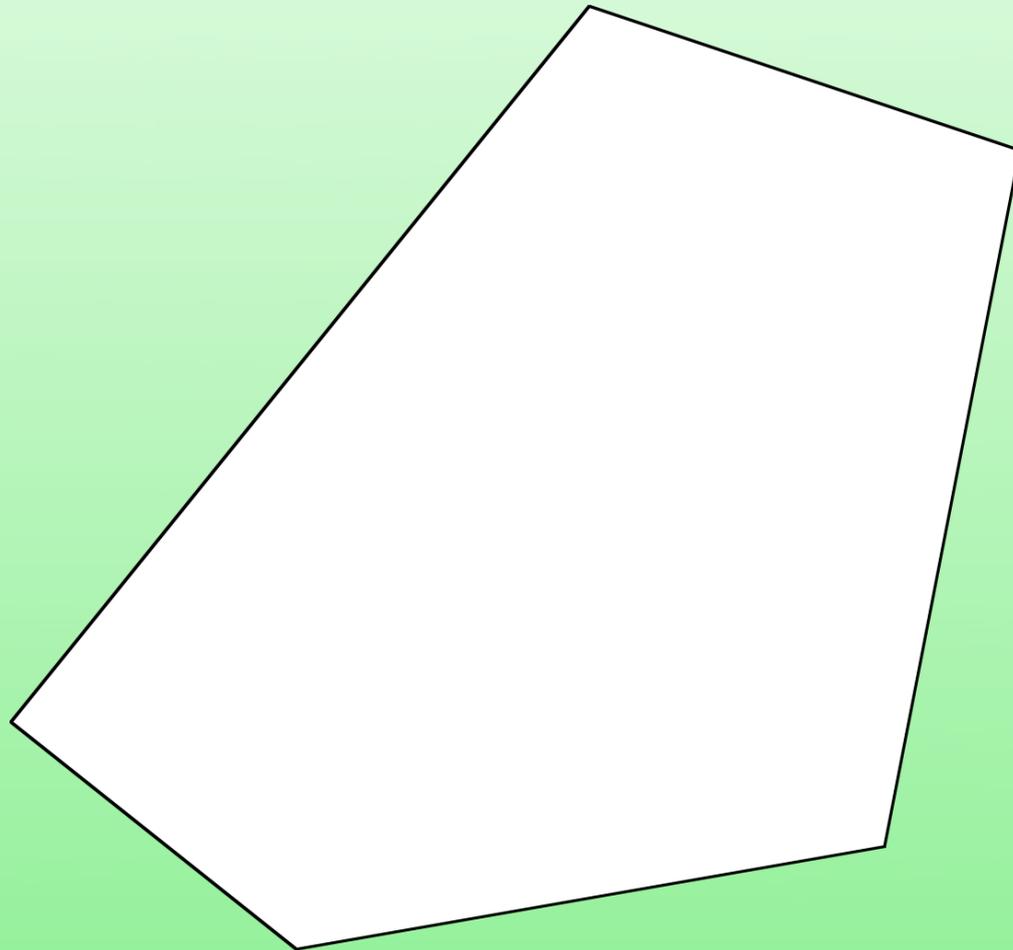


2. Information Design



2. Construction Practice

Construct this polygon on another sheet of paper.



How would you duplicate this triangle somewhere else? What tools would you use?

3. Classwork

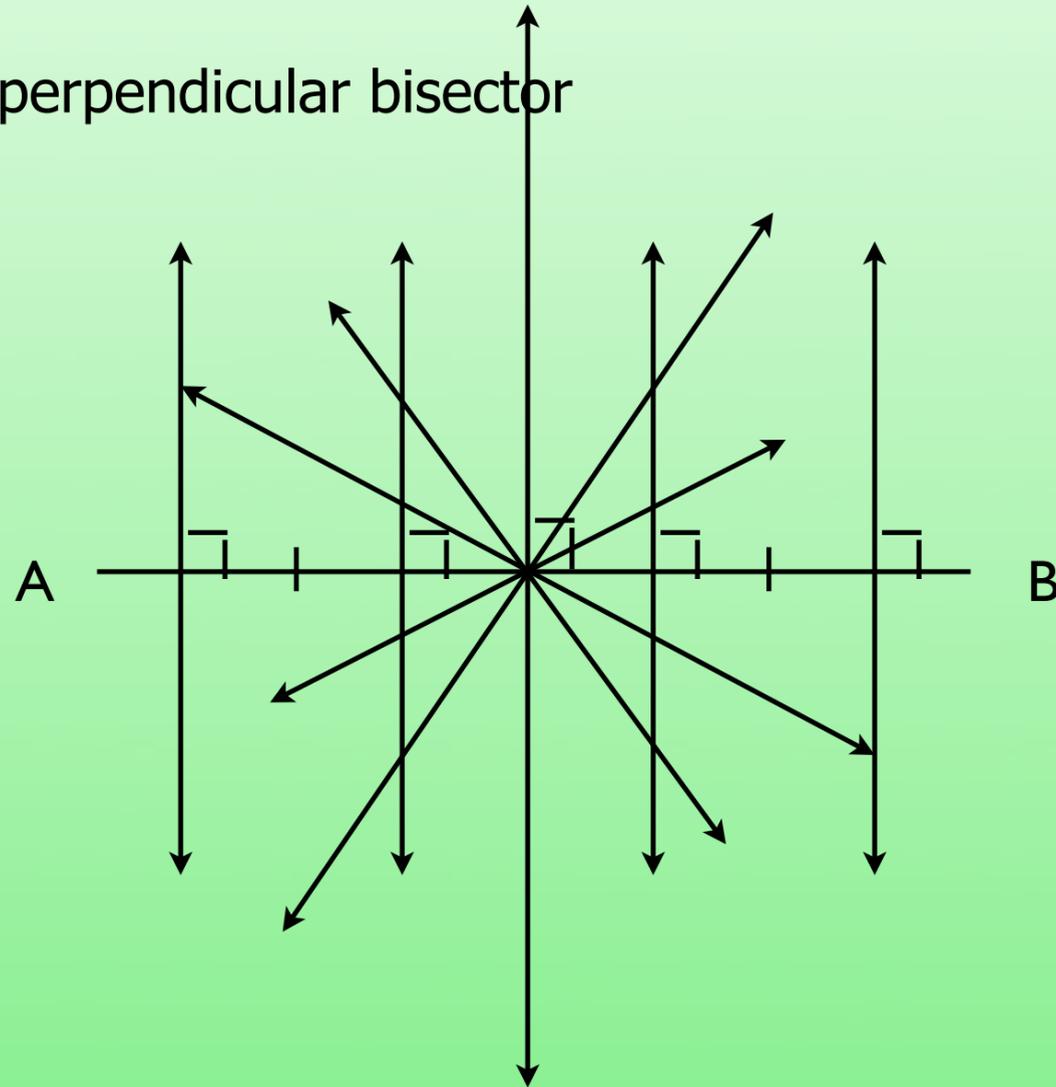
pg. 145 // #1 - 8, 12

4. Break

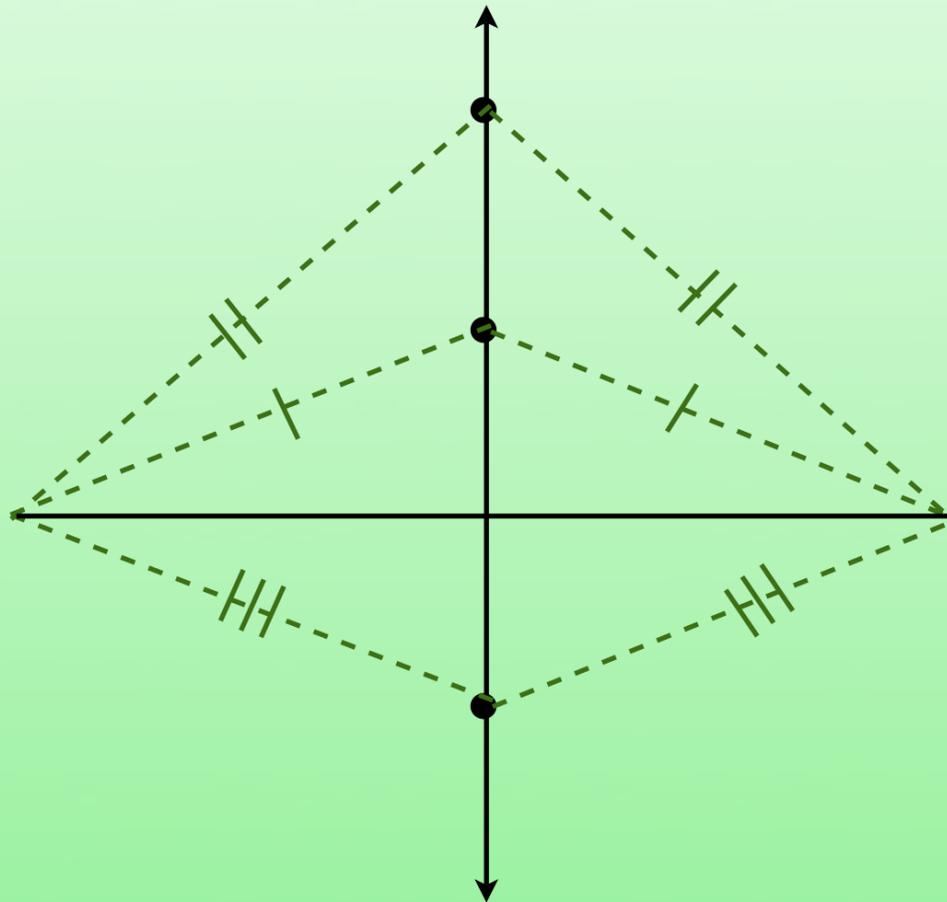
5. Show and Tell

6. Notes - The Perpendicular Bisector

1. Sketch a bisector.
2. Sketch a perpendicular.
3. Sketch a perpendicular bisector



7. Investigation



1. Fold your paper so the two halves of the line segment meet. What do you notice about the crease?
2. Put three dots along the perpendicular bisector. What do you notice about their distance from the endpoints?

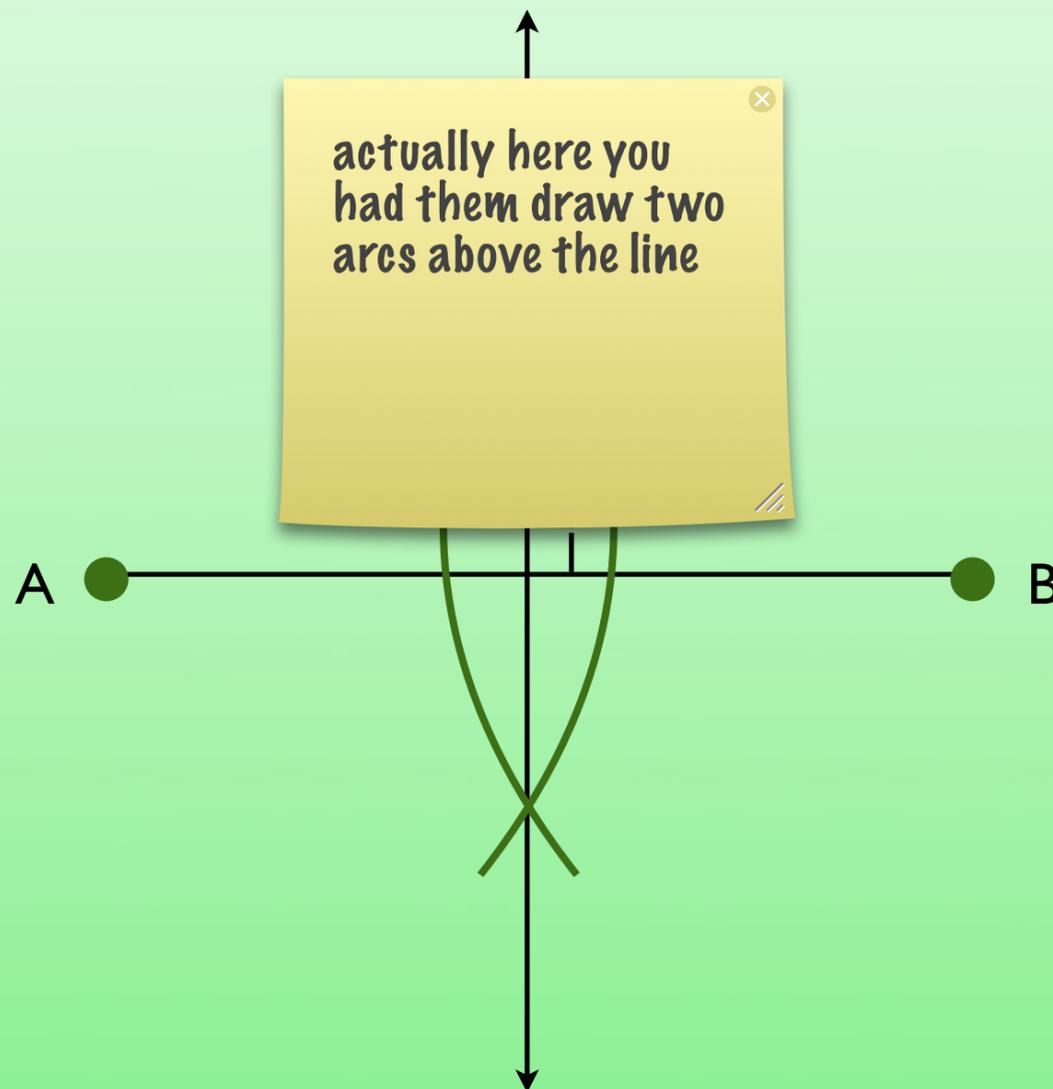
8. Notes - One Conjecture

Conjecture 6: Perpendicular Bisector Conjecture

If a point is on the perpendicular bisector of a segment then it is **equidistant** from the endpoints.

Is the converse true?

3. Notes - The Perpendicular Bisector



1. Draw a large arc that is larger than half the line segment.
2. With your compass fixed, draw the same arc from the other endpoint.
3. Draw the bisector through the arc intersections.

8. Classwork

pg. 149 - #1 - 5, 7

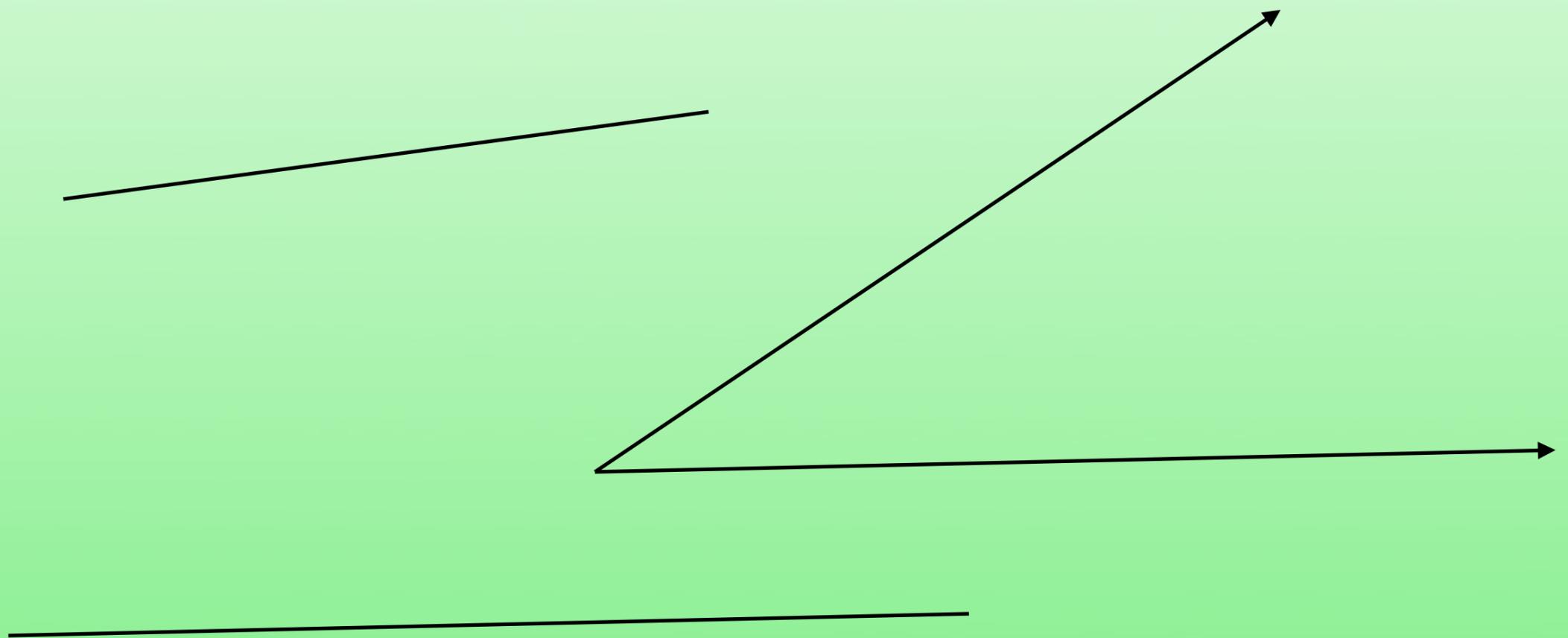
9. Homework

pg. 138 // #1, 4 - 7, 10, 11, 12 - 19, 21, 24

Day 17

1. Opener

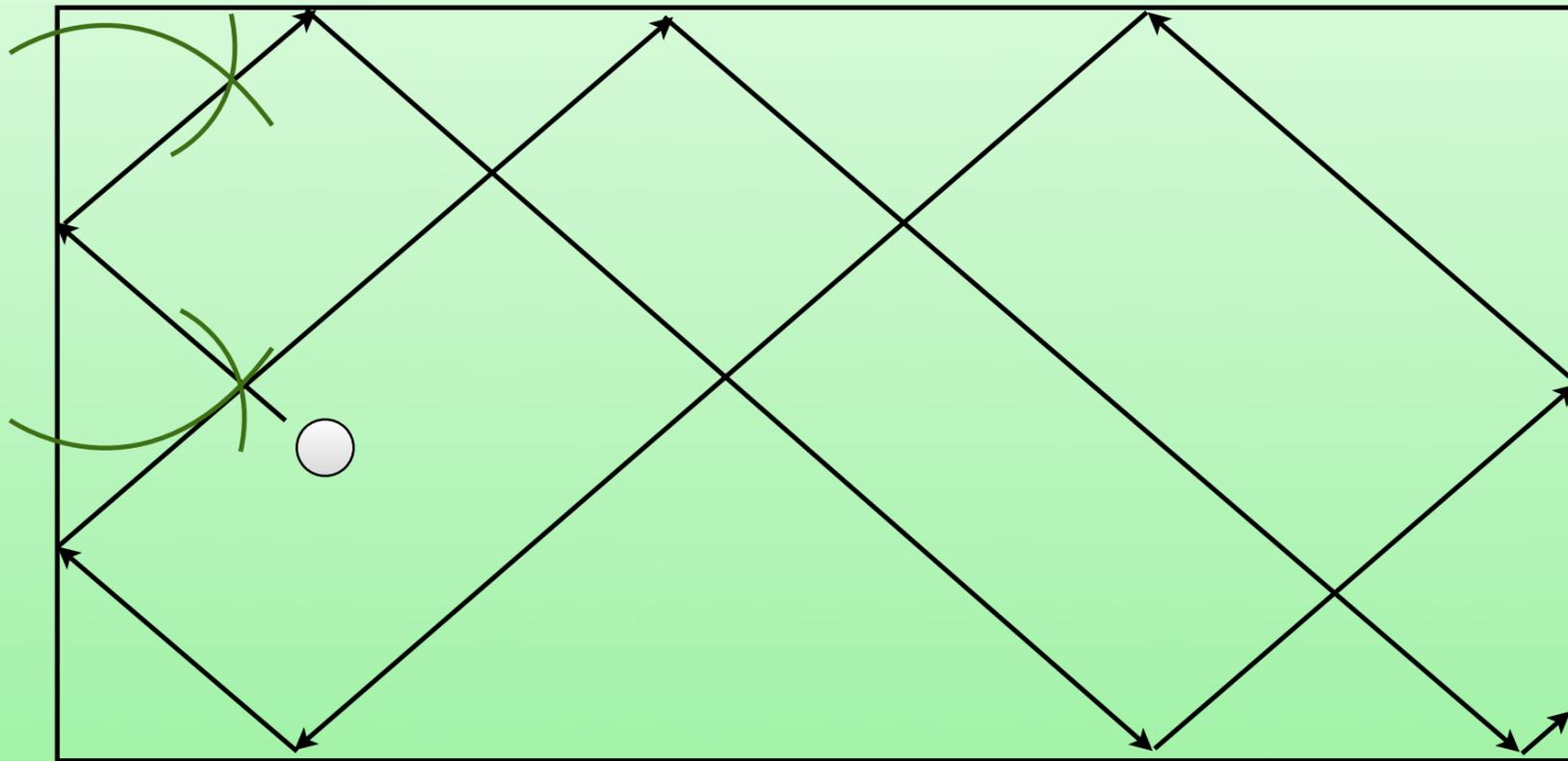
- Draw two line segments and an angle. Make a triangle out of those two sides with the angle between them.
- What percent of jetplane stowaways survive?



Day 17

1. Opener

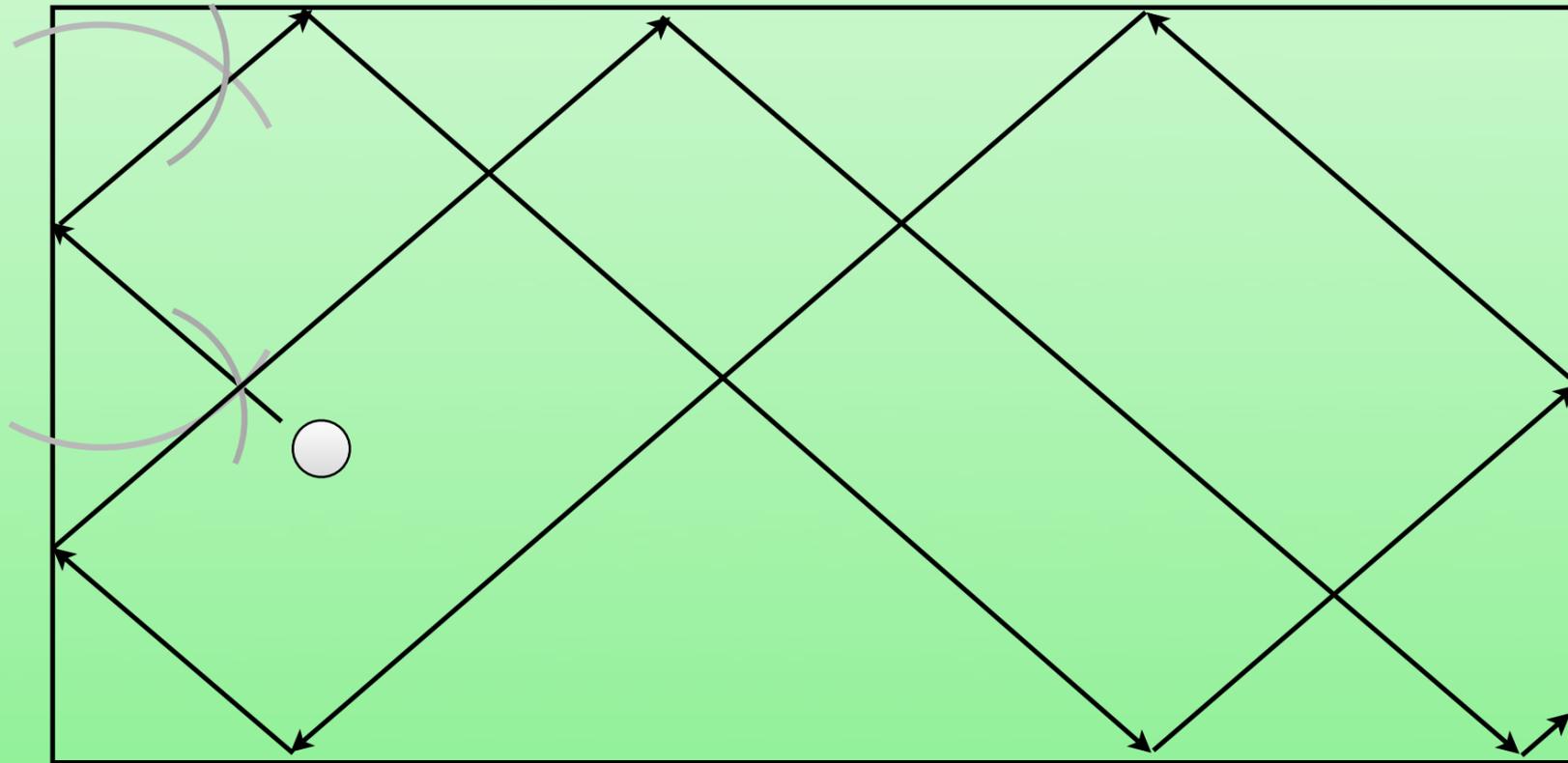
- a) Using only constructions, determine the cue ball's path after hitting 10 times off the cushions.



- b) What percent of jetplane stowaways survive?

2. Review Assignment

Using only constructions, determine the cue ball's path after hitting 10 times off the cushions.



3. Concept Quiz