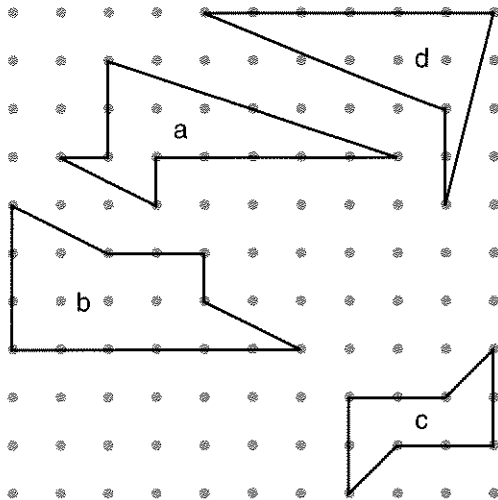


10. On your geoboard, make two different-shaped triangles that satisfy these conditions: one horizontal and one vertical side, and area 10. Record your solutions on dot paper.
11. Repeat problem 10 for area 9.
12. 🔑 Copy these figures on your geoboard (or on dot paper). Find the area of each one. Explain how you did it.



13. On your geoboard, make the triangle having vertices at $(0, 10)$, $(0, 4)$, and $(3, 6)$.

- a. With another rubber band, divide the triangle into two smaller triangles, such that they each have one horizontal and one vertical side. Find the area of all three triangles.
- b. With another rubber band, make the smallest rectangle that covers the original triangle. What is the area of the rectangle?
14. Find the area of the triangle having vertices at $(0, 0)$, $(0, 7)$, and $(3, 5)$.
15. Record your solutions on dot paper.
- a. Make five triangles having a horizontal side of length 6 and area 15.
- b. Make five triangles having a horizontal side of length other than 6 and area 15.
- c. Make five triangles having a vertical side of length 7 and area 10.5.
16. 💡 Find the area of the triangle having vertices at $(0, 0)$, $(0, 5)$, and $(3, 7)$.
17. **Summary** Explain how one finds the area of a geoboard triangle having one horizontal or vertical side.