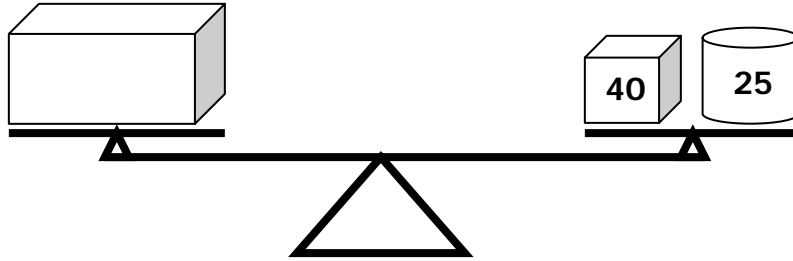


Name \_\_\_\_\_ Date \_\_\_\_\_

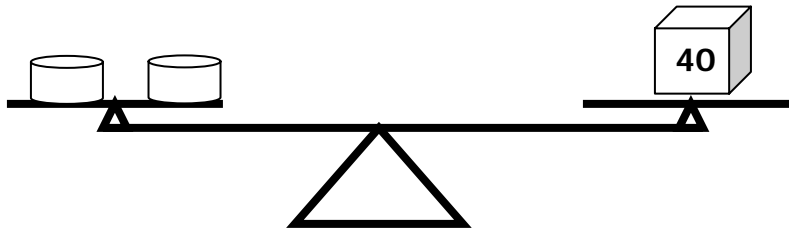
## Balance Scale Algebra

1. Use symbols for the unknown weights to write a number sentence that represents the balanced scale. Then, find the missing weights.

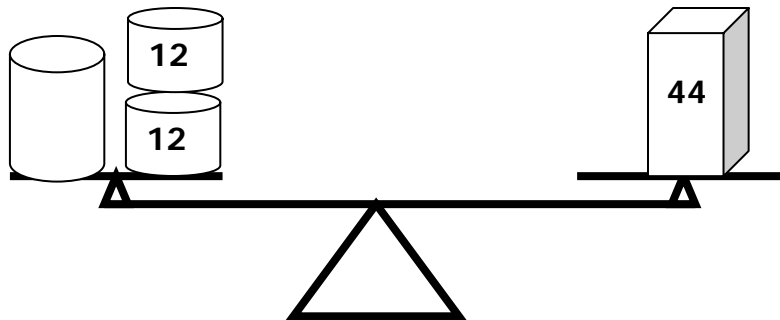
(a)



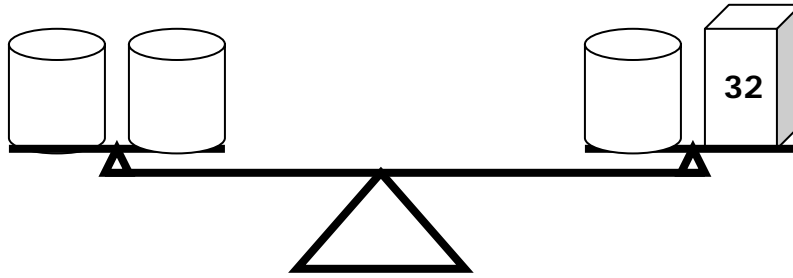
(b)



(c)

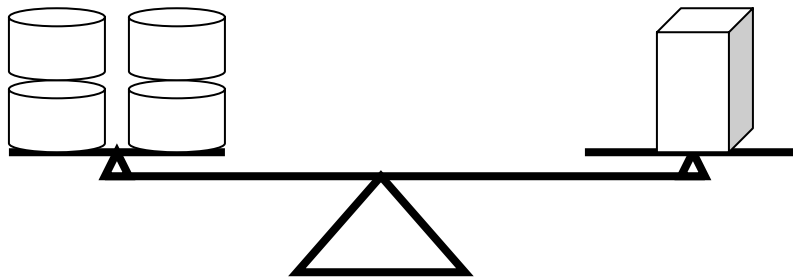


(d)

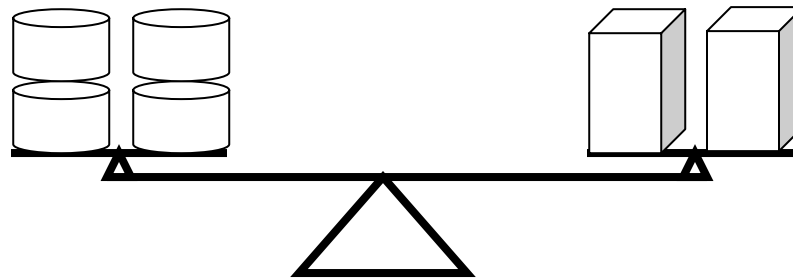


2. Use symbols for the unknown weights to write a number sentence that represents the balanced scale. Then, describe the relationship between one cylinder and one rectangular solid.

(a)



(b)



**Note:** Objects that have the same size and shape also have the same weight.

Adapted from "Coming to Know Number," Wheatley & Reynolds, Mathematics Learning, 1999.