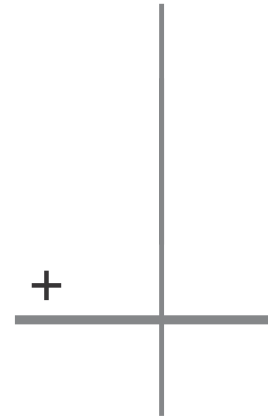
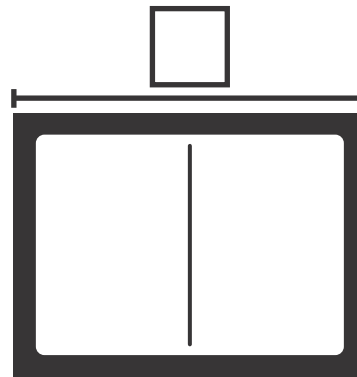


Glacier Math

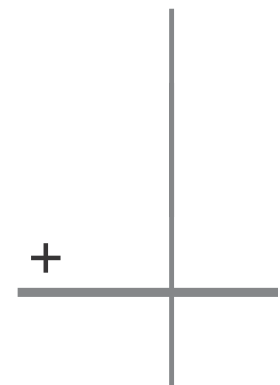
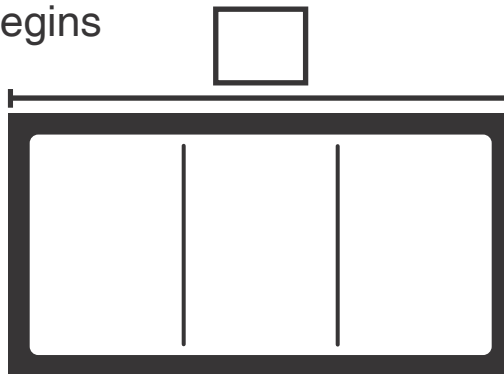
Did You Know? A glacier is a very large sheet of ice. Some glaciers may be miles long. Some glaciers sit on land. Others float in the sea, very slowly. After a glacier melts, deep valleys may be left.

- 1** In 10 years, a glacier moves 17 miles. In the next 10 years, the same glacier moves 14 miles. How many miles in all does the glacier move during this time? Complete the bar diagram and write an equation to model and solve the problem.



_____ + _____ = _____ miles

- 2 Extension** A glacier begins to melt. One year, melting makes it move back 10 feet. It moves back 15 feet the next year. It moves back 12 feet the third year.



How many feet does the glacier move back in all? Complete the bar diagram and write an equation to model and solve the problem.

_____ + _____ + _____ = _____ feet