

Name \_\_\_\_\_

Date \_\_\_\_\_

## Alice's Multiplication Fact

Alice forgot what  $7 \times 8$  equals. Alice knows that  $5 \times 8 = 40$  and  $2 \times 8 = 16$ .

- (1) Write a sentence to tell Alice how she can find the value of  $7 \times 8$  by using the two facts she knows.
- (2) Draw a diagram that could help Alice understand why your method works.
- (3) Choose two numbers other than 7 and 8, and try using your method to multiply them. Will your method work for any pair of factors? Say why you think so.