e	Date
xplain your thinking or use division to a	answer the following.
a. Is 2 a factor of 72?	b. Is 2 a factor of 73?
c. Is 3 a factor of 72?	d. Is 2 a factor of 60?
e. Is 6 a factor of 72?	f. Is 4 a factor of 60?
e. Is a lactor of 72!	1. 15 4 a factor of ou:
g. Is 5 a factor of 72?	h. Is 8 a factor of 60?



2. Use the associative property to find more factors of 12 and 30.

a. 
$$12 = 6 \times 2$$
  
=  $( _ \times 2) \times 2$   
=  $_ \times (2 \times 2)$ 

3. In class, we used the associative property to show that when 6 is a factor, then 2 and 3 are factors, because  $6 = 2 \times 3$ . Use the fact that  $10 = 5 \times 2$  to show that 2 and 5 are factors of 70, 80, and 90.

$$70 = 10 \times 7$$

$$80 = 10 \times 8$$

$$90 = 10 \times 9$$

4. The first statement is false. The second statement is true. Explain why, using words, pictures, or numbers.

> If a number has 2 and 6 as factors, then it has 12 as a factor. If a number has 12 as a factor, then both 2 and 6 are factors.