ne	Date	
Explain your thinking or use division to a	nswer 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?	
g. Is 5 a factor of 72?	h. Is 8 a factor of 60?	



Lesson 23:

Use division and the associative property to test for factors and observe patterns.



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

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.

Lesson 23:

Use division and the associative property to test for factors and observe patterns.

