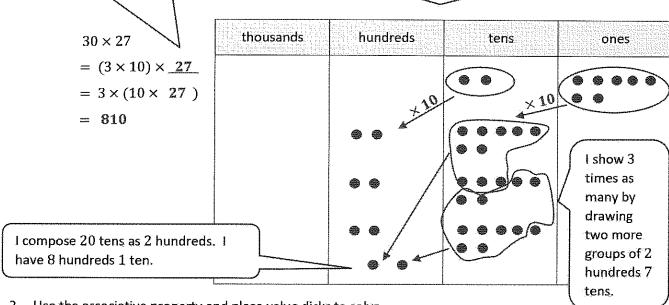
G4-N/3-Lesson 34

1. Use the associative property to rewrite each expression. Solve using disks, and then complete the number sentences.

I rename 30 as (3×10) , and then I group the factor of 10 with 27.

I draw 2 tens 7 ones. I show 10 times as many by shifting the disks one place to the left.



2. Use the associative property and place value disks to solve.

	thousands	hundreds		The second secon
20 × 28	mousonus	nunureus	tens	ones
$= (2 \times 10) \times 28$				(00000)
$= 2 \times (10 \times 28)$		+30	×10	1000
= 560			0 0 0 0 0	
By decomposing 20 into)			
2 and 10 , I think about		•		
the product being twice				

as much as 28 tens.

3. Use the associative property without place value disks to solve.

$$60 \times 54$$

$$= (6 \times 10) \times 54$$

$$= 6 \times (10 \times 54)$$

$$= 3,240$$

I rename 60 as 6×10 . Ten times as many as 54 ones is 54 tens. I multiply 6 times 540.

4. Use the distributive property to solve the following. Distribute the second factor.

$$40 \times 56$$

$$= (40 \times 50) + (40 \times 6)$$

$$= 2,000 + 240$$

$$= 2,240$$

I use unit language to help me solve mentally. Four tens times 5 tens is 20 hundreds. And 4 tens times 6 ones is 24 tens.