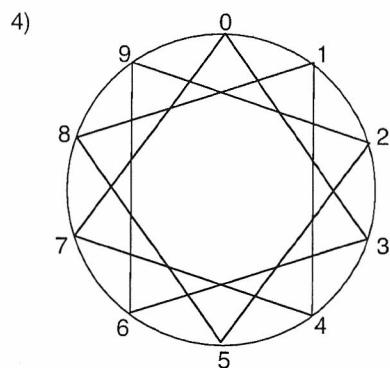
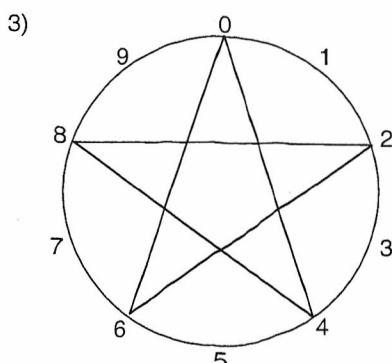
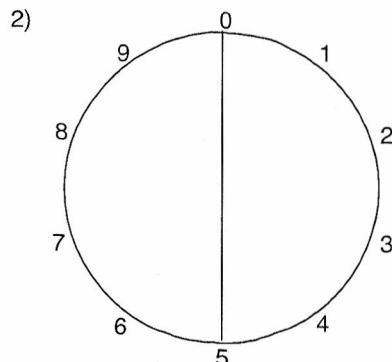
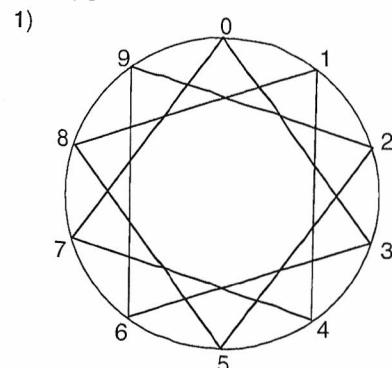


## Lesson 6



5) 3 facts and 7 facts  
 6) 12  
 7) 28  
 8) 88; multiply one less than the number of weeks by four to get the number of rooms

## Lesson 7

1) add 7 to the last number to find the next number in the sequence  
 2) 35  
 3) square the last number to find the next number in the sequence  
 4) 65,536  
 5) add one more to the last number each time:  $1 + 4 = 5$ ;  $5 + 5 = 10$ ;  $10 + 6 = 16$   
 6)  $16 + 7 = 23$   
 $23 + 8 = 31$   
 7) add twice as many to the last number each time:  $1 + 2 = 3$ ;  $3 + 4 = 7$ ;  $7 + 8 = 15$   
 8)  $15 + 16 = 31$   
 $31 + 32 = 63$   
 9) add the last two numbers in the sequence to find the next  
 $1 + 2 = 3$ ;  $2 + 3 = 5$ ;  $3 + 5 = 8$   
 10)  $5 + 8 = 13$   
 $8 + 13 = 21$

11)

step	1	2	3	4	5	6	7
blocks	1	3	6	10	15	21	28

12) add one more than the number that was added in the previous step  
 $28 + 8 = 36$   
 13) Take the number of steps times one more than the number of steps, and divide by 2.  
 If you figured that out without looking, give yourself a pat on the back!  
 $9(9 + 1) \div 2 =$   
 $9(10) \div 2 =$   
 $90 \div 2 = 45$