Tree height

1. Suppose we have a binary tree with 10 nodes. What is the maximum height it could have?

2. What is the minimum height?

3. What kind of tree has the minimum height?

4. Now think about how many nodes can fit into a *complete* binary tree. Fill in the table below for a sequence of specific heights. In the last row, make a general conclusion about complete trees of height h.

height	Number of nodes in a complete binary tree of that height	
	fewest	most
1		
2		
3		
4		
5		
h		