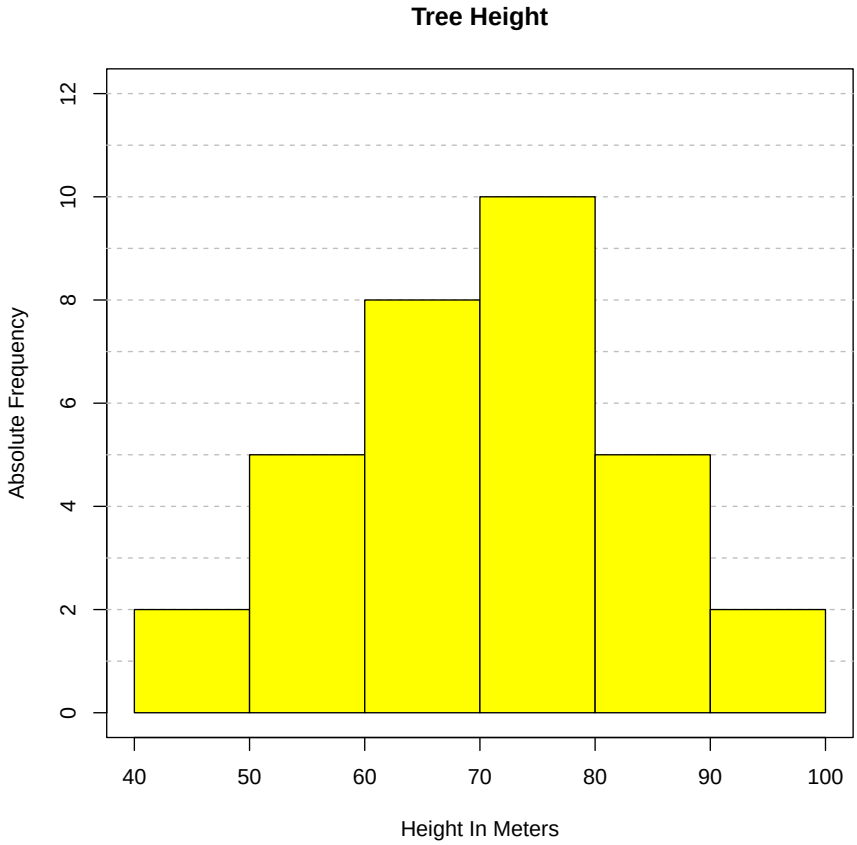
HISTOGRAM

TEXT: 2.2

LAST NAME	FIRST NAME	DATE

1 (4 points)**.** Consider a histogram for a sample of tree heights of size $n = 32$.



(a) Describe the shape of this distribution.

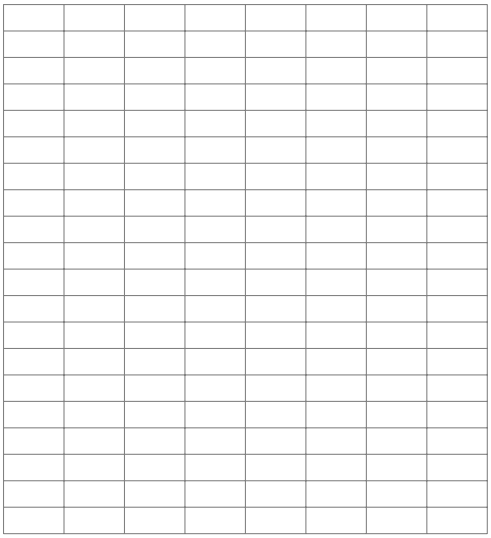
(b) How many trees in the sample are shorter than 60 meters?

(c) What proportion of the trees in the sample are between 50 and 80 meters tall?

(d) If a tree is chosen at random, is it more likely to be taller or shorter than 70 meters?

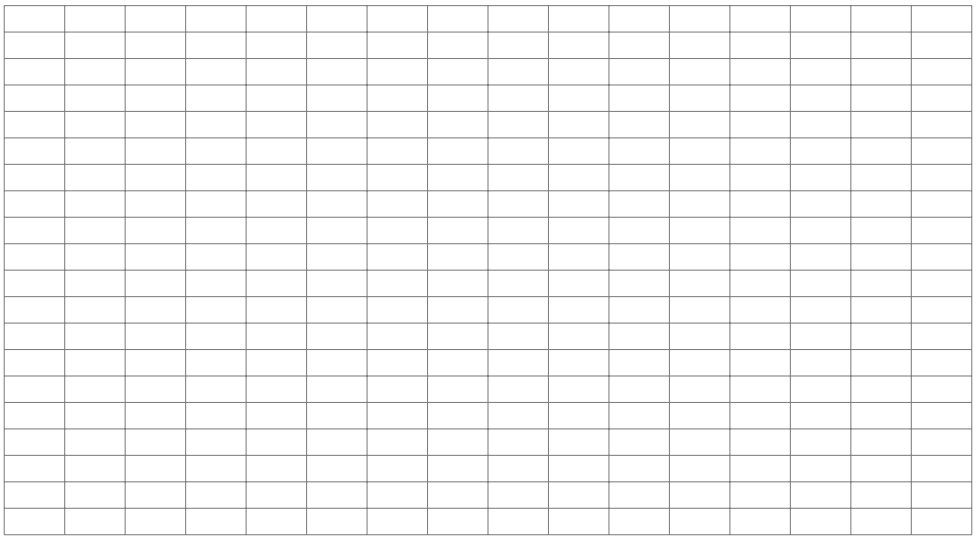
2 (4 points)**.** Use the histogram in the previous question to construct a different class frequency distribution, and a corresponding **relative** frequency histogram for the same sample of trees:

class	relative frequency
$(40, 60]$	
$(60, 80]$	
$(80, 100]$	



3 (5 points)**.** Construct a histogram by hand for the given sample data:

0.1	0.1	0.2	0.5	1.5	2.2	2.3	2.6	3.3	4.3
7.4	7.7	9.3	11.8	23.4					



Describe the shape of this distribution.