There were 2 versions - the principles and shapes were similar

Math 134/34 – Quiz 3 (AM version)

You may work on this sheet, or on a separate piece of paper. When you're finished, make a scan, or take a photo (converted to .pdf) and upload it to the Canvas area.

A group of people at an event (pre-COVID) had the following ages:

24	28	30	29	14
17	20	28	21	20
21	26	12	33	29
32	19	23	24	27

1. Make a frequency distribution (table). Tell what class width you chose and why.

Not everyone will have the same class width or lower edge, so charts will differ
It's reasonable to have width = 4 or width = 5 (makes 5 or 4 classes) $\frac{33-12}{5} = 21/5 \div 4.2$ (possible class size)

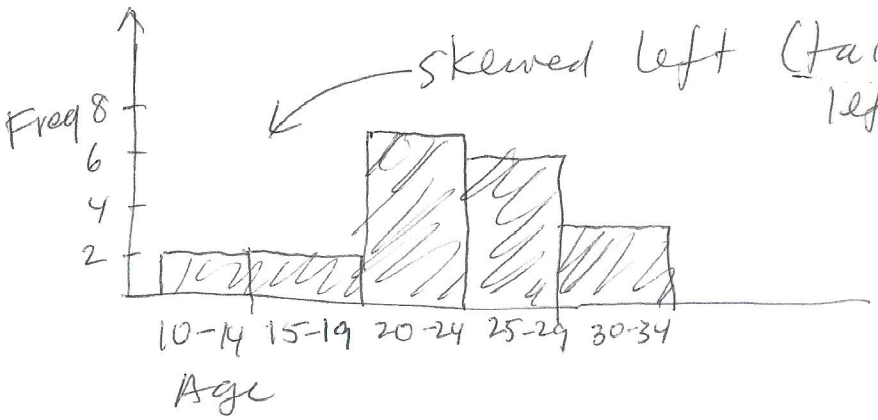
Ages	Tally
10–14	II
15–19	II
20–24	HHT II
25–29	HHT I
30–34	III

Freq. → Distribution

Ages	Freq
10–14	2
15–19	2
20–24	7
25–29	6
30–34	3

Class width = 5. chose it to make 4–5 classes (not too many, enough people in each class

2. Construct a histogram. Is it skewed? If so, in which direction?



3. What kind of event do you think might be attended by this group of people?

An event with 12–33 year olds, like a concert, movie, or sporting event. Would not be from a bar, at an elementary school, or nursing home.