

Expanded Frequency Distribution

Chart 8/26 2.1

(Add relative frequency +
Cumulative frequency)

Relative Frequency is the percent
in decimal form of the frequency in
one class ~~is~~ compared to the total number
of values.

$n = \#$ of pieces of data

$f =$ frequency in one class

$$\text{Relative frequency} = \frac{f}{n}$$

The shape of the relative frequency histogram
is the same as the frequency histogram.
The ~~vertical~~ ^{vertical} scale is different.

Expanded Frequency Chart

Per. 2

Pungencies

Class	tally	frequency f	midpoint	Relative Frequency	Increases Cumulative Frequency
32-35 31.5-35.5		3	33.5	$\frac{3}{24} = .125$	3
36-39 39.5		9	37.5	$\frac{9}{24} = .375$	3+9 =12
40-43 43.5		8	41.5	$\frac{8}{24} = .\bar{3}$	12+8 =20
44-47 47.5		3	45.5	$\frac{3}{24} = .125$	20+3 23
48-51 56.5		1	49.5	$\frac{1}{24} = .041\bar{6}$	23+1 24
Totals		24			24

$\sum f = 24$
sum
 $n = 24$

always the same

1
This column should add up to 1

Add

Add all the values in this column

Pg 49 #1-5, 7-10