

11-8 Select Approp Data ANS. KEY

HW # 1-9, 14-15, 17-18, 21-25

① Circle graph - Compares groups to total or bar graph →

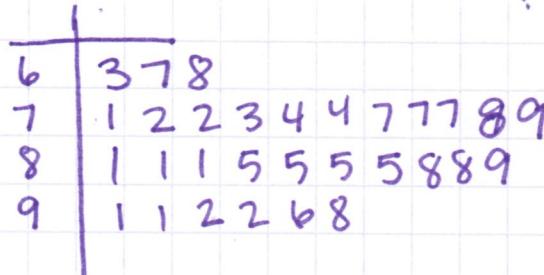
(21) sometimes T

② Circle graph - Compares group to total

(22) Never T (F)

③ Stem & leaf.

(23) Always T



Test scores

(24) Bar graphs display categorical data
Histograms numerical data
both display frequency.

(25) B - he wants indiv. data values

④ Line graph: shows change over time

⑤ Bar graph: shows # of items in specific category

⑥ Circle graph: compares all parts to whole

⑦ Box & Whisker plot: shows measure of variation for data

⑧ Histogram: shows data freq. arranged in intervals

⑨ Venn diagram: shows how data related. & overlaps.

$$(14) \quad 4 \quad (15) \quad 130 + 4 + 8 + 47 = 189$$

(17) Males

min = 3

Q₁ = 5

median = 13

Q₃ = 22

max = 24

n = 91

Females

min = 5

Q₁ = 9

med = 13

Q₃ = 22

max = 24

n = 19

Males and Females have same median.

$$(18) \quad \frac{14}{19} = .737 = 73.7\%$$