

# 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

6	3 7 8
7	1 2 2 3 4 4 7 7 8 9
8	1 1 1 5 5 5 5 8 8 9
9	1 1 2 2 6 8

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 4    ⑮  $130 + 4 + 8 + 47 = 189$

⑰ Males

min = 3

$Q_1 = 5$

median = 13

$Q_3 = 22$

max = 24

$n = 91$

Females

min = 5

$Q_1 = 9$

med = 13

$Q_3 = 22$

max = 24

$n = 19$

Males and Females have same median.

⑱  $\frac{14}{19} = .737 = 73.7\%$