

11-2 Histograms ANS. KEY:

HW # 2-18

② $\frac{11+4}{25} \rightarrow \frac{\# \text{ less than or } = 8999}{\text{total } \#}$

$\frac{15}{25} = .6 = 60\%$

③ not very likely - only 2 out of 25 are 15,000 ft or taller

④ Can not be determined - We only know the height of tallest volcano in the interval.

⑤ Depending on your intervals your ans might look diff thats ok...

⑦ 30 countries

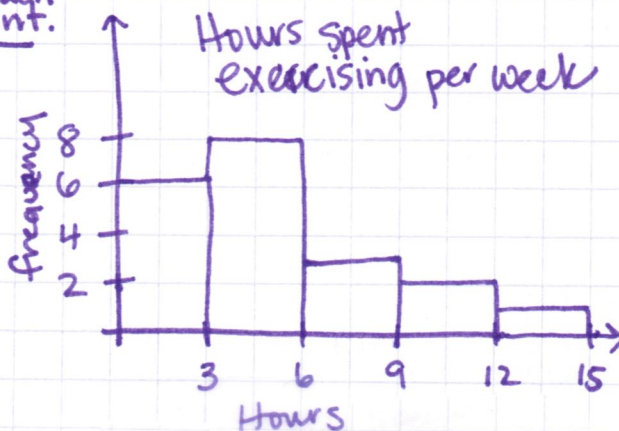
⑧ $\frac{9+10}{21+9+10+6+1+3}$
 $\frac{19}{50} = .38 = 38\%$

⑨ $\frac{1+3}{50} = \frac{4}{50} = 8\%$

⑩ cant determine exact size, somewhere between 1-200.

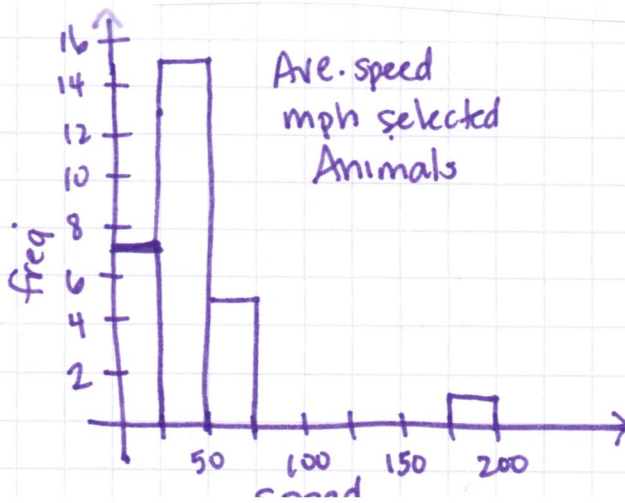
int.	# in each int.
0-3	6
3-6	8
6-9	3
9-12	2
12-15	1

3 goes in here →
 6 goes in here →
 ⋮



⑥

int	#
0-25	7
25-50	15
50-75	5
75-100	
100-125	
125-150	
150-175	
175-200	1



$$\textcircled{11} \quad \frac{1+1}{6+5+3+1+1}$$

$$\frac{2}{16} = .125 = \boxed{12.5\%}$$

$\textcircled{12}$ can not be determined

$\textcircled{13}$ Typical solar eclipse lasted
btwn 1 sec and 5 mins. b/c
11 occurred, only 5 lasted
from 5min 1sec to 12min 30sec.

$\textcircled{14}$ 11 eclipses

$\textcircled{15}$ Seattle

$\textcircled{16}$ Pittsburg

$\textcircled{17}$ Seattle

$$\frac{3+3+1+1}{8+6+3+3+1+1} = \frac{8}{22} = .363 = \boxed{36.3\%}$$

or if you thought 800-899 \Rightarrow 0 buildings
then $\frac{1}{21} = .333 = \boxed{33.3\%}$

$\textcircled{18}$ Specific heights are not given
so can not be determined.
somewhere btwn 400-499 ft.