

Introduction to Statistics Worksheet 1 Key

1. Find the range of each set of data.

(a) 5, 10, 9, 7, 11, 8, 13	8
(b) 1.3, 2.1, 1.8, 2.3, 2.2, 1.5	1.0 or 1
(c) -14 , $+13$, -15 , 0, $+12$, -16 , $+11$	$+29$ or 29
(d) 149, 218, 321, 0, 156, 223, 219	321

2. Find the median of each set of data.

(a) 5, 10, 9, 7, 11, 8, 13	9
(b) 1.3, 2.1, 1.8, 2.3, 2.2, 1.5	1.95
(c) -14 , $+13$, -15 , 0, $+12$, -16 , $+11$	7
(d) 149, 218, 321, 0, 156, 223, 219	218
(e) \$215, \$211, \$246, \$213, \$287	\$215
(f) 49, 62, 57, 44, 51, 67, 46	50

3. Find the mean of each set of data. Round decimal answers to the nearest tenth.

a) 5, 10, 9, 7, 11, 8, 13	9
b) 1.3, 2.1, 1.8, 2.3, 2.2, 1.5	1.9
c) 149, 218, 321, 0, 156, 223, 219	183.7
d) \$215, \$211, \$246, \$213, \$287	\$234.40 or 234.4
e) 49, 62, 57, 44, 51, 67, 46	53.7

4. Find the mode(s) of each set of data.

(e) 5, 10, 9, 7, 10, 8, 13	10
(f) 1.3, 2.1, 1.8, 2.3, 2.2, 2.1	2.1
(g) -14 , $+13$, $+15$, 0, $+12$, -14 , $+15$	bimodal: -14 and $+15$
(a) 149, 218, 321, 0, 156, 223, 219	no mode