

NAME: _____

- Marty sent 4 packages. Their masses were 3 kg, 500 gm, 660 g, and 5 kg. What was the approximate average mass of the packages?
[A] 2300 g [B] 5 kg [C] 6500 g [D] 3 kg
- The median of a set of data is 15. If there are 10 data items in the set, which of the following statements best describes the two middle numbers?
[A] One of the numbers must be 15. [B] The numbers must be 13 and 17.
[C] Both numbers must be 15. [D] Their mean must be 15.
[E] The numbers must be 14 and 16.
- This frequency table shows some data from accident reports at a traffic police station.

Length of Skid Mark (meters)	Number of Skids Measured
20 m	13
25 m	22
30 m	24
35 m	44
40 m	43
45 m	54

Find the median of the skid mark lengths. Use that number for d in the formula $s = \sqrt{15d}$ in order to find the corresponding car speed to the nearest meter per second.

- Solve if possible. If not possible, tell what needed information is missing. The table below shows the monthly average temperature and amount of precipitation for San Francisco, California, and Winnipeg, Canada. Find the mean annual temperature and mean annual amount of precipitation for both cities. Describe the climate of both cities.

Monthly Average Temperature and Precipitation

	San Francisco, California		Winnipeg, Canada	
Month	Temperature (°F)	Precipitation (In.)	Temperature (°F)	Precipitation (In.)
Jan.	50	4.0	0	1.0
Mar.	55	2.8	18	1.2
May	59	0.8	52	2.4
July	63	0.0	68	3.0
Sept.	64	0.2	55	1.6
Nov.	55	1.8	23	1.0

[1] A

[2] D

[3] 23 m/s

Not enough information is given to find these means. The data only give temperatures and precipitation averages for every other month. (Using the data given: San Francisco: mean temp.: 57.7°F ; mean precipitation: 1.6 in.; Winnipeg: mean temp: 36°F ; mean precipitation: 1.7 in.) Descriptions may vary. Sample: The climate in Winnipeg is seasonal and the temperature has a larger range. The climate in San Francisco is generally mild without much variation in temperature during

[4] the year.