

1.1)

a)

b) 2

c) 2

d) 5

e) 4

f) 1

g) 3

h) 3

i) 3

j) 4

1.2)

a) 976.45

b) 84000

c) 0.0094

d) 301.07

e) 4.000

f) 10

g) 5280

h) 400.

i) 4.00*10²

j) 3.010*10⁴

— most significant
— less significant

1.3)

a) $9.8 \cdot 10^2$

b) $8.4 \cdot 10^4$

c) $9.4 \cdot 10^{-4}$

d) $3.0 \cdot 10^2$

e) 4.0

f) $1.0 \cdot 10$

g) $5.3 \cdot 10^3$

h) $4.0 \cdot 10^2$

i) $4.0 \cdot 10^2$

j) $3.0 \cdot 10^4$

$$1.4) \text{ mean} = \frac{184}{25}$$

$$\text{median} \Rightarrow 7,8 \Rightarrow \frac{7+8}{2} = 7.5$$

most Probable Value: 8

$$1.5) \text{ mean} = 73.48$$

$$\text{median} = 73$$

$$\text{most Probable} = 82$$

$$1.6) \mu = 7.36$$

$$n = 25$$

$$\sigma = \sqrt{\frac{1}{n} \sum_{i=1}^n (x_i - \mu)^2} = 2.18$$

$$1.7) \mu = 73.48$$

$$n = 40$$

$$\sigma = \sqrt{\frac{1}{n} \sum_{i=1}^n (x_i - \mu)^2} = 15.52$$