

1.) Estimate by clustering

$$10.96 + 13.17 + 12.83 + 11.56 + 11.78$$

$$12 * 5 = \boxed{60}$$

2.) Estimate

$$8.9 * 15.3$$

↓

↓

$$9 * 15 = \boxed{135}$$

$$78.2 \div 9.8$$

↓

↓

$$80 \div 10 = \boxed{8}$$

3.) Find mean, median, and mode  
 (average) (middle numbers) (frequent)

$$\boxed{23, 25, 18, 16, 21, 17}$$

$$\boxed{36, 30, 32, 30, 24}$$

In order

$$16, 17, \boxed{18, 21}, 23, 25$$

In order

$$24, 30, \boxed{30}, 32, 36$$

Mean:  $\frac{16+17+18+21+23+25}{6}$

$$\frac{120}{6} = \boxed{20}$$

Mean:  $\frac{24+30+30+32+36}{5}$

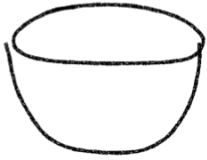
$$\frac{152}{5} = \boxed{30.4}$$

Median:  $\frac{18+21}{2} = \frac{39}{2} = \boxed{19.5}$

Median:  $\boxed{30}$

Mode:  $\boxed{\text{none}}$

Mode:  $\boxed{30}$



# of ounces =  $x$

\$0.85 per ounce

\$3.50 for a drink

$$C = \$0.85x + \$3.50$$

1.)  $C = \$0.85x + 3.50$

$x = 18$

$\$0.85(18) + 3.50$

$\$15.30 + 3.50 = \boxed{\$18.80}$

$x = 2816$

$[2816 \text{ ounces}]$

$C = \$0.85x + 3.50$

$\$0.85(2816) + 3.50$

$2393.60 + 3.50$

$\boxed{\$2397.10}$

$$F = 1.8C + 32$$

$35^\circ\text{C} \rightarrow \text{---}^\circ\text{F}$

$1.8(35) + 32$

$63 + 32 = \boxed{95^\circ\text{F}}$

$$60^\circ\text{C} \rightarrow \text{---}^\circ\text{F}$$

$F = 1.8C + 32$

$1.8(60) + 32$

$108 + 32 = \boxed{140^\circ\text{F}}$

\$10 entry fee    \$1.50 per ticket

$$C = \$1.50t + \$10$$

$$t = 20 \text{ tickets}$$

$\$1.50(20) + \$10$

$\$30 + \$10 = \boxed{\$40}$

$$C = \$1.50t + \$10$$

$$t = 500 \text{ tickets}$$

$\$1.50(500) + \$10$

$\$750 + \$10 = \boxed{\$760}$

$$\begin{array}{r} 8 = n - 6 \\ +6 \quad +6 \end{array}$$

$$\boxed{14 = n}$$

$$\begin{array}{r} 8.2 = n - 6.6 \\ +6.6 \quad +6.6 \end{array}$$

$$\boxed{14.8 = n}$$

$$\begin{array}{r} 12.5 + x = 7.2 \\ -12.5 \quad -12.5 \end{array}$$

$$\boxed{x = -5.3}$$

$$0.3(-5) = \left(\frac{k}{0.3}\right)0.3$$

$$\boxed{-1.5 = k}$$

$$\frac{12.5n}{12.5} = \frac{45}{12.5}$$

$$\Rightarrow \frac{45}{12.5} \quad \begin{array}{r} 12.5 \overline{) 45} \end{array} \text{ (RP)}$$

$$n = \frac{45}{12.5} = \boxed{3.6}$$

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$$\frac{45}{12.5} = 12.5 \overline{) 45.0}$$

$$\begin{array}{r} 3.6 \\ 125 \overline{) 450.0} \\ \underline{-375} \phantom{0} \\ 750 \\ \underline{-750} \\ 0 \end{array}$$



$$1.) \quad X - 7.8 = 12$$
$$\quad \quad +7.8 \quad +7.8$$

$$\boxed{X = 19.8}$$

$$2.) \quad \frac{X}{3.2} = (8.1)^{3.2}$$

$$\boxed{X = 25.92}$$

$$3.) \quad 18.4 + X = 26.1$$
$$\quad \quad -18.4 \quad \quad -18.4$$

$$\boxed{X = 7.7}$$

$$4.) \quad \frac{9.5X}{9.5} = \frac{25.5}{9.5}$$

$$\boxed{X = 2.68}$$