

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
(average) (middle number)

23, 25, 18, 16, 21, 17

mode
(most frequent)

36, 30, 32, 30, 24

In order

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

In order

24, 30, 30, 32, 36

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

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

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

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

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

$$\text{Median: } 30$$

Mode: none

Mode: 30



of ounces = x

\$0.85 per ounce

\$3.50 for a drink.

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

$$\begin{aligned}
 1.) \quad C &= \$0.85x + \$3.50 \\
 &\quad \downarrow \\
 &\quad \$0.85(50) + \$3.50 \\
 &\quad \$42.50 + \$3.50 \\
 &\quad \boxed{\$46.00}
 \end{aligned}$$

$$\begin{aligned}
 2.) \quad &2720 \text{ ounces} \\
 C &= \$0.85x + \$3.50 \\
 &\quad \downarrow \\
 &\quad \$0.85(2720) + 3.50 \\
 &\quad \underline{\hspace{2cm}} \\
 &\quad \$2312 + 3.50 \\
 &\quad \boxed{\$2315.50}
 \end{aligned}$$

$$F = 1.8C + 32$$

$$\begin{aligned}
 &\text{35}^\circ\text{C} \rightarrow ^\circ\text{F} \\
 &\quad \uparrow
 \end{aligned}$$

$$\begin{aligned}
 1.8(35) + 32 \\
 63 + 32 = \boxed{95^\circ\text{F}}
 \end{aligned}$$

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

$$\begin{aligned}
 1.8(60) + 32 \\
 108 + 32 = \boxed{140^\circ\text{F}}
 \end{aligned}$$

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

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

$$\begin{aligned}
 \underline{\$1.50(20)} + \$10 \\
 \$30 + \$10 = \boxed{\$40}
 \end{aligned}$$

\$10 = entrance

\$1.50 per ticket

$$t = 80 \text{ tickets}$$

$$\begin{aligned}
 \$1.50(80) + \$10 \\
 \$120 + \$10 = \boxed{\$130}
 \end{aligned}$$

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

$$\boxed{14 = n}$$

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

$$\boxed{14.8 = n}$$

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

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

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

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

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

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

$$\frac{45}{12.5} \rightarrow 12.5 \overline{) 45} \text{ (RP)}$$

$$\frac{45}{12.5} \rightarrow \begin{array}{r} 12.5 \overline{) 45.0} \\ \underline{375} \\ 750 \\ \underline{750} \\ 0 \end{array}$$

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



$$1.) \quad \begin{array}{r} X - 7.8 = 12 \\ + 7.8 \quad + 7.8 \end{array}$$

$$\boxed{X = 19.8}$$

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

$$\boxed{X = 25.92}$$

$$3.) \quad \begin{array}{r} 18.4 + X = 26.1 \\ -18.4 \quad -18.4 \end{array}$$

$$\boxed{X = 7.7}$$

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

$$\boxed{X = 2.68}$$