

$$1.) \frac{98+73+92+66+x}{5} = 79$$

$$\frac{329+x}{5} = 79$$

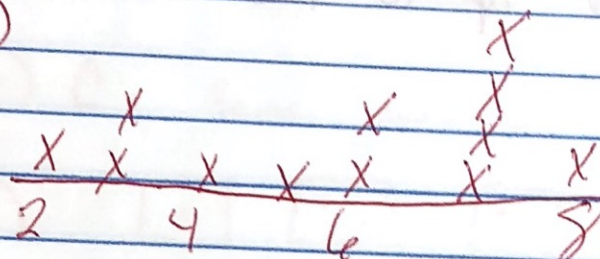
$$2.) \frac{14+19+16+11+x}{5} = 13$$

$$\begin{aligned} 329+x &= 395 \\ x &= 395-329 \\ x &= 66 \end{aligned}$$

$$\frac{60+x}{5} = 13$$

$$\begin{aligned} 60+x &= 65 \\ x &= 65-60 \\ x &= 5 \end{aligned}$$

4.)



2, 3, 3, 4, 5, 6, 6, 7, 7, 7, 7, 8

mode = 7 range = $8-2=6$

$$\text{Median} = \frac{6+6}{2} = \frac{12}{2} = 6$$

D.

5.)

Class A

Mode = 61

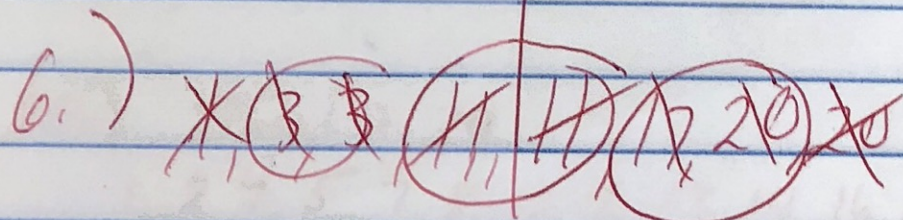
Mean

Class B

Range = 54

Median = 78

D.



Min = 1

Max = 20

$$\text{Med} = \frac{11+11}{2} = \frac{22}{2} = 11$$

$$Q1 = \frac{3+3}{2} = \frac{6}{2} = 3$$

$$Q3 = \frac{17+20}{2} = \frac{37}{2} = 18.5$$

D.

7.) ~~32, 44, 50, 60, 70, 80, 90, 100, 110, 120, 130, 140, 150, 160, 170, 180, 190, 200~~

Min = 50
Max = 200

$$\text{Median} = \frac{100 + 130}{2} = \frac{230}{2} = 115$$

$$Q1 = \frac{80 + 90}{2} = \frac{170}{2} = 85$$

$$Q3 = \frac{170 + 180}{2} = 175$$

C.

8.) Smaller box = more consistent B.

9.)

	1	2	3	4	5
1	2	3	4	5	6
2	3	4	5	6	7
3	4	5	6	7	8
4	5	6	7	8	9
5	6	7	8	9	10

$$\text{Sum} \quad \#$$

$$2 = 1$$

$$3 = 2$$

$$4 = 3$$

$$5 = 4$$

$$6 = 5$$

$$7 = 4$$

$$8 = 3$$

$$9 = 2$$

$$10 = 1$$

A.

10.)

	1	2	3	4	5	6
1	2	3	4	5	6	7
2	3	4	5	6	7	8
3	4	5	6	7	8	9
4	5	6	7	8	9	10
5	6	7	8	9	10	11
6	7	8	9	10	11	12

Sum Amount

$$2$$

$$1$$

$$3$$

$$2$$

$$4$$

$$3$$

$$5$$

$$4$$

$$6$$

$$5$$

$$7$$

$$6$$

$$8$$

$$5$$

$$9$$

$$4$$

$$10$$

$$3$$

$$11$$

$$2$$

$$12$$

$$1$$

$$\text{Sum} < 6$$

$$1 + 2 + 3 + 4 = \frac{10}{36}$$

$$\text{Sum} = 6$$

$$\frac{5}{36}$$

$$\text{Sum} > 6$$

$$6 + 5 + 4 + 3 + 2 + 1$$

$$\frac{21}{36}$$

A.

11.) C. Line graph looks like a pond depth too.
You can visualize it.

12.) A. Positive correlation (line would have + slope)

13.) B. Neg. Corr. (- slope)

14.) C. No corr.

15.) B. Follow finger up to the line.

16.) C. Same as 16.



$$\frac{\text{Possibilities}}{\text{total}} = \frac{1}{6} \quad \text{B.}$$

18.) Total Possibilities = 25
4, 8, 12, 16, 20, 24

$$P(\# \text{ divisible by } 4) = \frac{6}{25} \quad \text{B.}$$

19.) Total = $70 + 80 + 90 = 240$

$$P(\text{Not Placebo}) = \frac{70+80}{240} = \frac{150}{240} = \frac{5}{8} \quad \text{C.}$$

20.) Total = 24

1, 2, 4, 5, 7, 8, 10, 11, 13, 14, 16, 17, 19, 20, 22, 23

$$P(\text{Not divisible by } 3) = \frac{16}{24} = \frac{2}{3} \quad \text{D.}$$

$$\text{Total} = 6$$

$$21.) P(\text{dark}) = \frac{4}{6} = \frac{2}{3} \quad \text{or } 2:3 \quad \text{Answer isn't there.}$$

22.)

	1	2	3	4	5	6
1	2	3	4	5	6	7
2	3	4	5	6	7	8
3	4	5	6	7	8	9
4	5	6	7	8	9	10
5	6	7	8	9	10	11
6	7	8	9	10	11	12

$$\text{Total} = 36$$

$$P(7) = \frac{6}{36} = \frac{1}{6}$$

1:6 C.

23.)

$$\frac{9}{1140}$$

$$= 0.07894737 \times 100 \approx \boxed{0.8\%} \quad A.$$

24.)

$$P(\text{coin}) \times P(\text{even})$$

$$\frac{1}{2} \times \frac{3}{6} = \frac{1}{4} \quad C.$$

$$25.) \text{Total} = 13$$

$$P(\text{red}) \cdot P(\text{Blue})$$

$$\frac{6}{13} \cdot \frac{3}{13} = \frac{18}{169} \quad B.$$

26.)

$$\text{Total} = 27 + 15 = 42$$

$$P(\text{con}) \cdot P(\text{vow})$$

$$\frac{15}{42} \cdot \frac{27}{42} = \frac{45}{196} \quad D.$$

27.)

$$\text{Total} = 3 + 4 + 2 = 9$$

$$P(10)$$

$$P(1)$$

$$\frac{2}{9} \cdot \frac{3}{8} = \frac{1}{12} \quad A$$

28.) Total 12

$$P(\text{orange}) \cdot P(\text{apple})$$

$$\frac{4}{12} \cdot \frac{6}{11} = \frac{2}{11} C.$$

29.) $Tot = 16$ (Don't Replace)

$$P(\text{Girl}) \cdot P(\text{Boy})$$

$$\frac{10}{16} \cdot \frac{6}{15} = \frac{1}{4} C.$$

30.) C.) (Suggests means appears. Even though he didn't, the break ~~to~~ makes it look like he doubled sit-ups in Nov.)

1.) A.) Town A (It really doesn't, but b/c of the Break, Town C has 4 blocks and Town A has 8 blocks)

B.) Town D (Town C has 8 Town D = 16)

C.) The Break in the graph.

2.) 1, 1, 5, 7, 9, 9, 10, 13, 15, 15

$$\text{Median} = 9$$

$$\text{Mode} = 9$$

$$\text{Mean} = \frac{1+1+5+7+9+9+9+10+13+15+15}{11} = 8.5$$

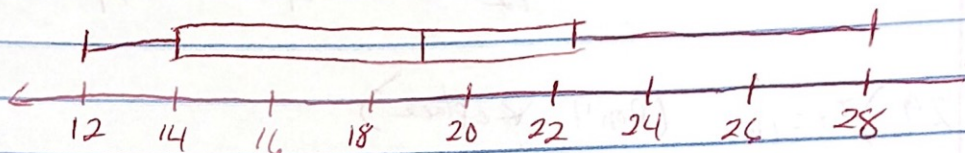
3.) ~~12~~, ~~13~~, ~~16~~, ~~18~~, ~~20~~, ~~21~~, ~~24~~, ~~28~~

Min = 12
Max = 28

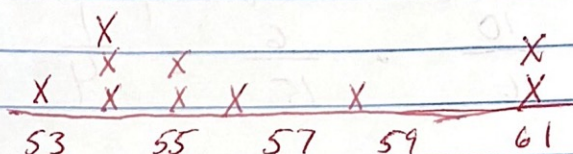
$$\text{Med} = \frac{18+20}{2} = \frac{38}{2} = 19$$

$$Q1 = \frac{12+16}{2} = 14$$

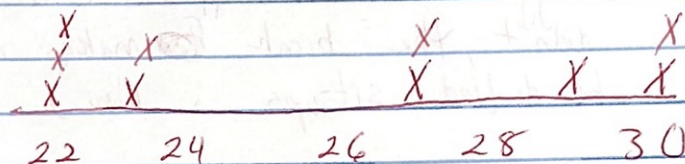
$$Q3 = \frac{21+24}{2} = 22.5$$



4.)



5.)



6.) Practice = x Typing = y

[2nd] [DATA] 2-VAR [=] Now calc can say STAT DEG

[DATA] $x_1 =$
 $y_1 =$
...

Never enter # for x when y is the ?

Once all are entered, Hit [STATVAR]

- scroll over to a , a is m .
- scroll to b , $b = b$.

$$y = 4.9x + 17.1$$

After 6 hours you would type about 46 wpm.