(3. 11)

Table

Students in Middle School By Grade				
	6 th Grade	7 th Grade	8 th Grade	Total
East Middle School	213	241	217	671
West Middle School	135	142	120	397
North Middle School	230	130	174	534
South Middle School	341	343	339	1023

135+ 142+120 = 397

534 - 130 -230 = 174

1023-680 = 343

(c)
$$6^{+n}$$
: 213 + 135 + 230 + 341 = 800 + 119 = 919 6^{+n} grade

7th: 241 + 142 + 130 + 343 = 700 + 156 = 856

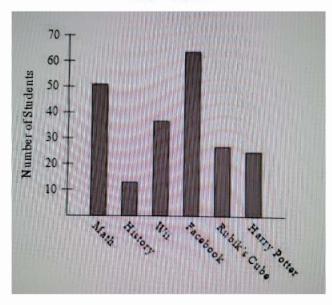
8th: 217+120+ 174+ 334 = 700+ 150 = 850

(d) South Middle School.

(9) North Middle School.

13.12)

bor Chart

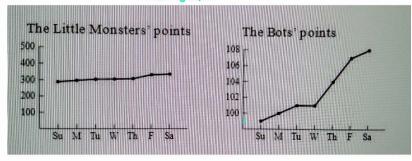


- (a) Verdadero
- (6) Falso
- (c) So+12+35+60+25+23 = 205 Palso
- (d) Vo se sabe.

Importante: Al Consideror un consunto de personos divisios en grupos, usamos la palabra plurality Para describir el grupo que tiene la magaria de personas. Si la pluralidad Consiste de més de la mitad del total, decemos que es una mayoria.

(3.13)

Line graph



- (a) Falso.
- (b) Falso
- (c) Verdadero
- (1) No se sabe

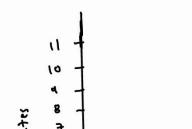
(e) No se sabe.

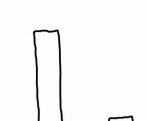
Concepto: Al Ciror una gráfica, usa la escala que hoga clara la información que quieras transmitir.

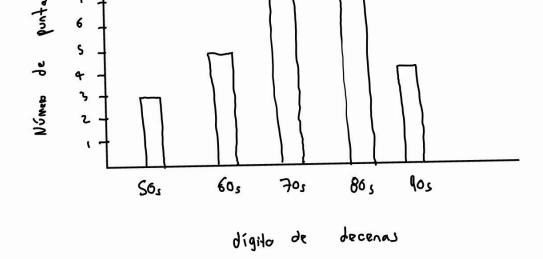
13.14)

Stem-and-leap Plot

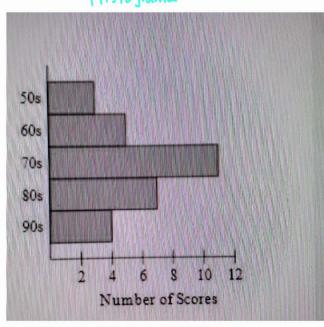
$$\frac{2277}{30} = 75\% = 75,9$$







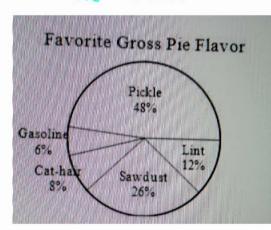
Histograma



(e) No. El stem-and-lear plot nos permite tener los datos originales, mientras que agruporlos pierde la información exacta.

13.15)

Pie Chort.



$$\frac{8}{100}$$
 (Total) = 36
Total = $\frac{9}{36 \times 100}$ = 450.

$$\frac{15}{26}$$
 $(356) = 117.$

Otra Solución es ver que Saudust es 13 de cat-hair, por la tanta

$$36\left(\frac{13}{4}\right) = 9.13 = 117.$$

Importante: Un pie chart es muchas veces buena opción pora representar
información si las "porciones del total" es una característica
importante de los datos.

Etercicios

(3.3.1)

(a) 2

(6)
$$1 \times 14 + 2 \times 17 + 3 \times 12 + 4 \times 2 + 4 \times 5 + 2 \times 6 + 1 \times 7$$
 $14 + 34 + 36 + 8 + 20 + 12 + 7$
 $131 - 7$

$$\frac{|31}{57} = 2$$

$$\frac{2}{57}$$

(c) Z

(3,3.2)

Average

$$\frac{565}{20} = \frac{113}{4} = 28\frac{1}{4} = 28.25$$

(3.3,3)

$$\frac{90}{8} = \frac{45}{4} = 11.25 \text{ pulgodas}$$

$$(3.3.4)$$
 θ $(456) = \frac{4.13}{8.65} = 52$

Coyote + 5 punyebb = 64%, 3 + 5 = 54, 45 = 69%, 5 = 16%.

