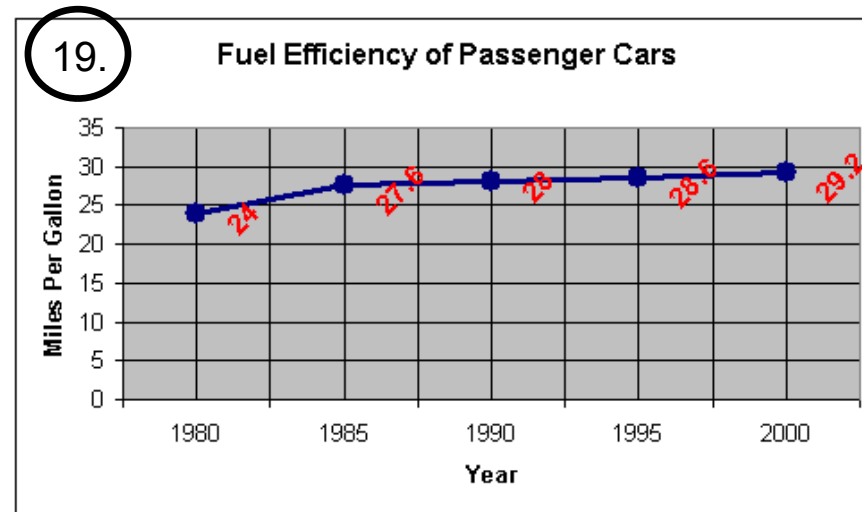
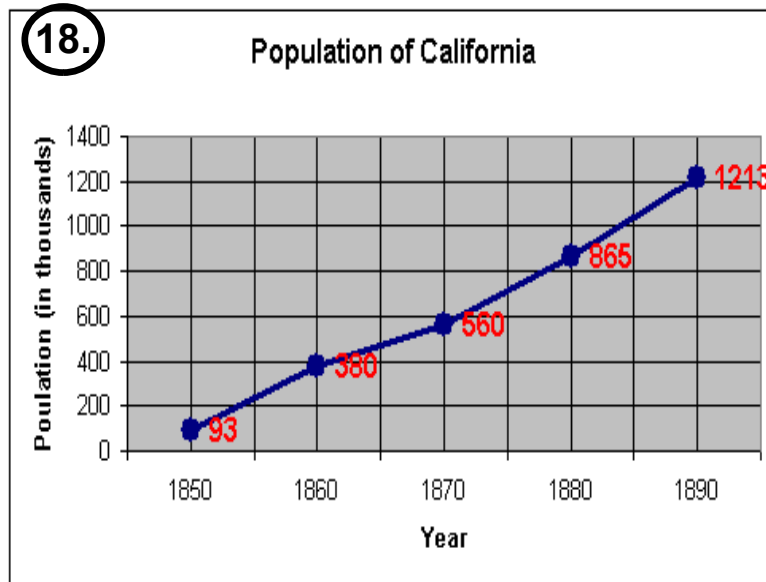


Pg. 45 1-5, pg. 46 15-19

- ① Data: information, facts, or numbers that describe something
- ② Tables, Bar Graphs, Line Graphs
- ③ False ④ True ⑤ False

Pg 46

- ⑮ 1991-1996 ⑯ \$4.25 ⑰ 1998



Pg 47: 23 - 25(a); 27 - 33(o); 35 - 43(a)

23 42 in, 98 in²

24 32 units, 48 units²

25 56 ft, 84 ft²

27 Solution

29 not a Solution

31 Solution

33 not a Solution

35 < 36 < 37 > 38 <

39 = 40 < 41 > 42 > 43 =

1.8. Functions

Sept. 19, 2006

-Function: a rule that establishes a relationship between two quantities.

ie: Input & Output

Think Pop Mach.



ex) Input-Output Table

Fig. 1
1 dot

Fig. 2
3 dots

Fig. 3
6 dots

Fig. 4
10 dots

Input	1	2	3	4	5
output	1	3	6	10	15

Input	Output
1	1
2	3
3	6

ex2) Ballooning

- we are at 250 ft.
- using the burner: we will rise 20 ft per each min.
- show each mins. altitude for the next 5 min.

h = height of the balloon

t = time of the burner

$$20t + 250$$

$$t=0 \quad h = 20(0) + 250 \quad h = 250'$$

$$t=1 \quad h = 20(1) + 250 \quad h = 270'$$

$$t=2 \quad h = 20(2) + 250 \quad h = 290'$$

$$t=3 \quad h = 20(3) + 250 \quad h = 310'$$

$$t=4 \quad h = 20(4) + 250 \quad h = 330'$$

$$t=5 \quad h = 20(5) + 250 \quad h = 350'$$

- Domain: The Collection of All Input Values
Figures / Time
- Range: The Collection of All Output Values.
#of Dots / Altitude.

Complete the Table if the Domain
is $\{0, 1, 2, 3, 4\}$
for the function $h = 250 + 20(t)$

Input	Output
0	250
1	270
2	290
3	310
4	330

O.T.L.

① pg 51-53 : 1-6 (a), 7-19 (o),
23, 27, 28, 29'

* Draw Graphs when
Asked to as well as
any tables.

* # 5 : you need to ans.
#4

② Chapter Test Thursday!!!