

checkpoint 1, pg. 39 1-10 All

Checkpoint 1

① 10 m

Pg. 39

① modeling

② Verbal

③ Write a verbal model.

Assign labels to the verbal model to write an algebraic model. Solve the algebraic model and answer the original question. Check that your answer is reasonable

④ B

⑤ 20 min.

⑥ walking speed \cdot time to walk home = distance to home.

⑦ walking speed = (4 mi/h), time to walk home = t , distance to home = (1 mi)

$$⑧ 4t = 1$$

$$⑨ t = \frac{1}{4} \cdot h \text{ or } 15 \text{ min.}$$

⑩ Walking; although the subway ride takes much less time, you have to wait 12 mins. for the next train. So it will take 20 mins. by subway and only 15 mins. by walking.

1.7 Tables + Graphs

Sept. 18, 2006

on Graph Paper

- Data: information, facts, or numbers that describe something.

* Data is easier to understand, when it is viewed in a table or graph.

The table shows the top three categories of food eaten by Americans.

Top Categories of Food Consumed by Americans (lb per person per year)							
Year	1970	1975	1980	1985	1990	1995	2000
Dairy	563.8	539.1	543.2	593.7	568.4	584.4	590.0
Vegetables	335.4	337.0	336.4	358.1	382.8	405.0	410.0
Fruit	237.7	252.1	262.4	269.4	273.5	285.4	290.0

Table on
Pg 42
on Consumed
Food

* Use this table to create a new table that shows the total food consumed for Dairy + Veg.

Year	1970	1975	1980	1985	1990	1995	2000
Total	899.2	876.1	879.6	951.8	957.2	989.4	1000

* In which Year did Americans consume the most Dairy + Veg? 2000
least? 1975

Line Graph: uses points (not Bars)
to show change in Data
over Time.

* Change vs. Time.

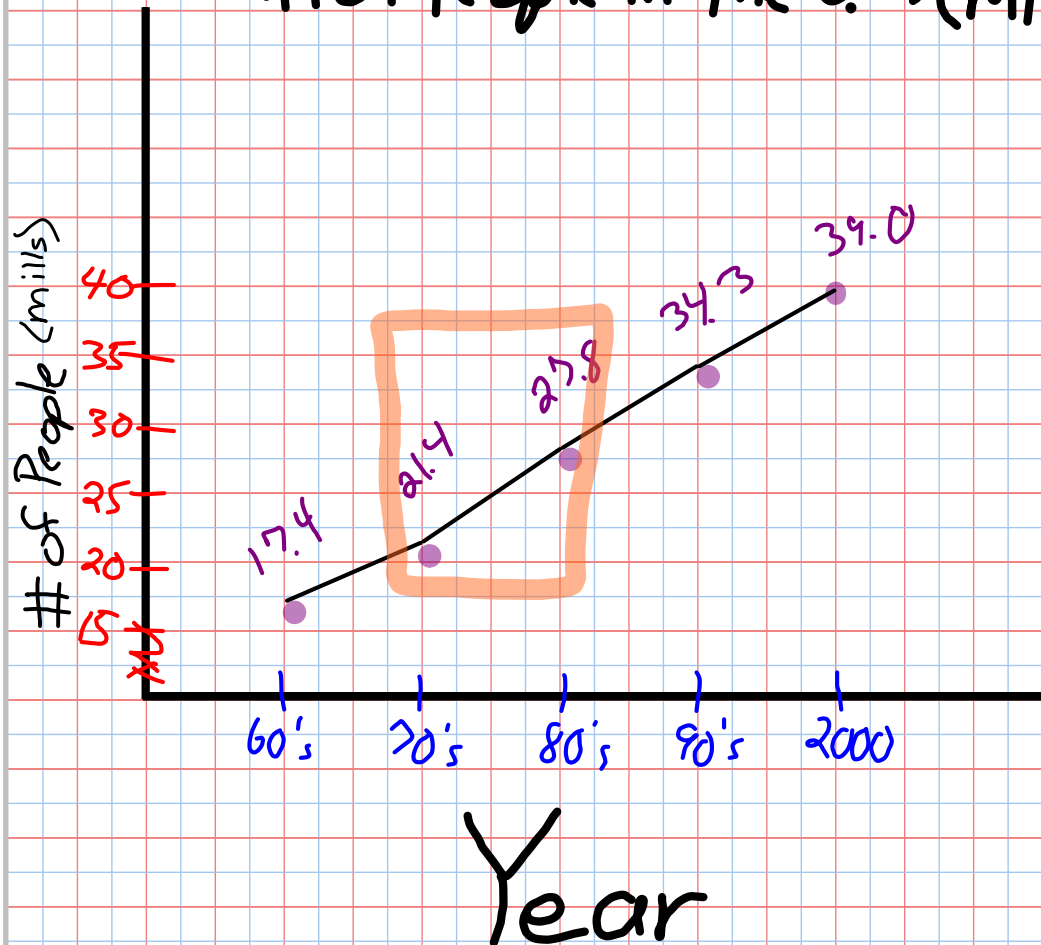
product vs. years
height vs. years

} gas vs. years.
weather vs. week/days

of People over 65 in the U.S. (mills)

Year	"60"	"70"	"80"	"90"	2000
# of People	17.4	21.4	27.8	34.3	39.0

of People in the U.S. (mills)



* During which 10 yr. Period.

use
Table
↳

was there the Smallest

increase: 60's → 70's

use
Graph
↓

* Did the # of people
Increase or decrease
between 1970-1980?

Increased

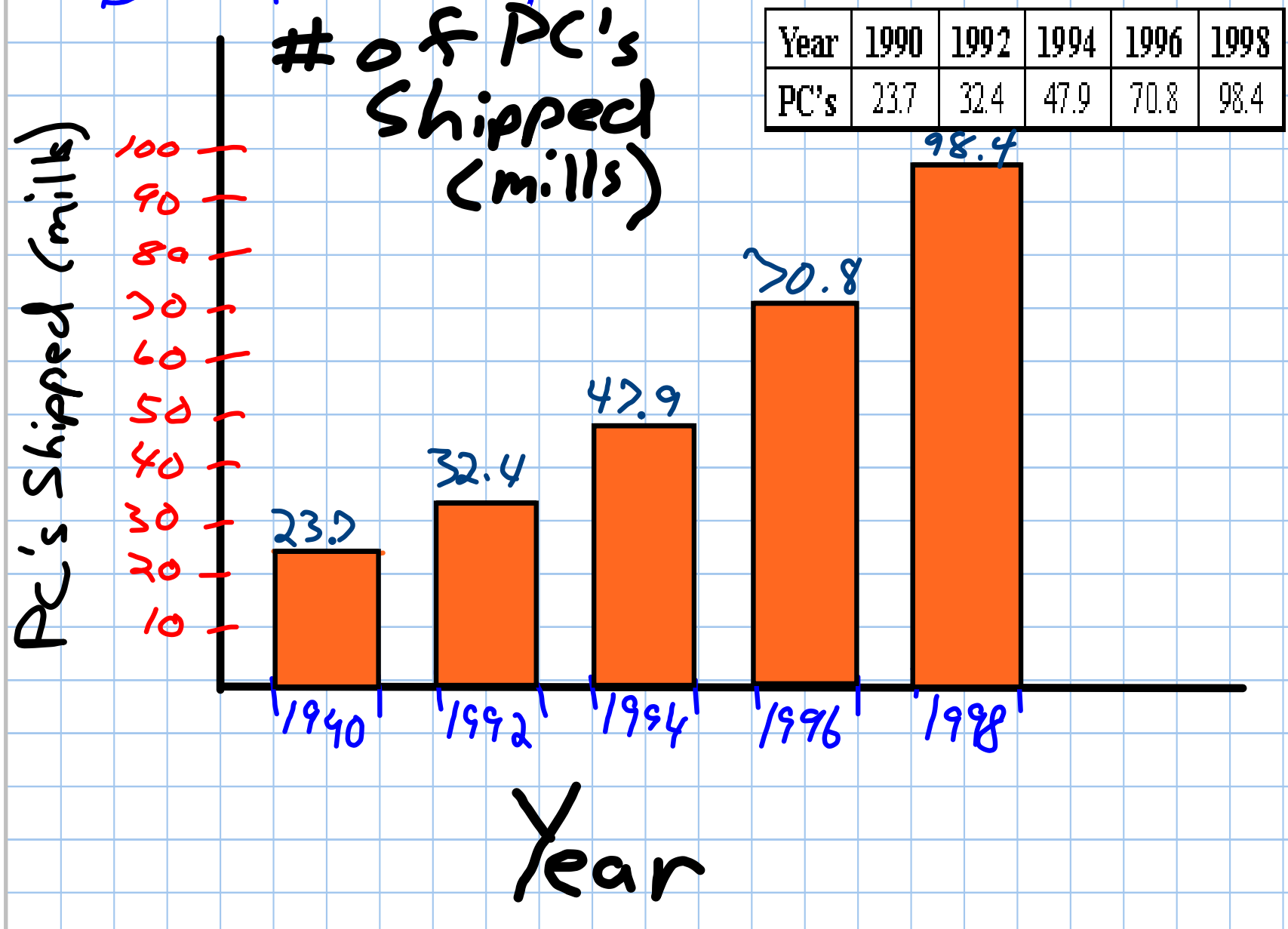
PC's Shipped (in Millions)

Year	1990	1992	1994	1996	1998
PC's	23.7	32.4	47.9	70.8	98.4

8.7 15.5 22.9 27.6

* During which 2 year Period did the Number of Shippments Increase the most? 1996-1998

- Bar Graph: vertical or horizontal
Bars that represent a Table of Data



** Describe the
Pattern . . .

As the years Increase
So does the # of
PC's Shipped Increase

O.T.L.

① Pg 46: 11-19 (all)

② Chapter Test Thursday!